



Annex B

PISA 2015 DATA

[All tables in Annex B are available on line](#)

Annex B1: Results for countries and economies

Annex B2: Results for regions within countries

Note regarding B-S-J-G (China)

B-S-J-G (China) refers to the four PISA participating Chinese provinces of Beijing, Shanghai, Jiangsu, Guangdong.

Note regarding CABA (Argentina)

CABA (Argentina) refers to the Ciudad Autónoma de Buenos Aires, Argentina.

Note regarding FYROM

FYROM refers to the Former Yugoslav Republic of Macedonia.

Notes regarding Cyprus

Note by Turkey: The information in this document with reference to “Cyprus” relates to the southern part of the Island. There is no single authority representing both Turkish and Greek Cypriot people on the Island. Turkey recognises the Turkish Republic of Northern Cyprus (TRNC). Until a lasting and equitable solution is found within the context of the United Nations, Turkey shall preserve its position concerning the “Cyprus issue”.

Note by all the European Union Member States of the OECD and the European Union: The Republic of Cyprus is recognised by all members of the United Nations with the exception of Turkey. The information in this document relates to the area under the effective control of the Government of the Republic of Cyprus.

A note regarding Israel

The statistical data for Israel are supplied by and under the responsibility of the relevant Israeli authorities. The use of such data by the OECD is without prejudice to the status of the Golan Heights, East Jerusalem and Israeli settlements in the West Bank under the terms of international law.

ANNEX B1

RESULTS FOR COUNTRIES AND ECONOMIES

[Part 1/1]

Table V.3.1 Percentage of students at each proficiency level of collaborative problem solving

		All students									
		Below Level 1 (below 340 score points)		Level 1 (from 340 to less than 440 score points)		Level 2 (from 440 to less than 540 score points)		Level 3 (from 540 to less than 640 score points)		Level 4 (at or above 640 score points)	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	4.3	(0.3)	15.6	(0.6)	31.2	(0.6)	33.6	(0.8)	15.3	(0.7)
	Austria	4.5	(0.4)	20.2	(0.9)	35.8	(1.0)	30.4	(1.0)	9.1	(0.7)
	Belgium	5.7	(0.5)	21.1	(0.8)	36.7	(0.7)	29.3	(0.8)	7.1	(0.6)
	Canada	3.4	(0.3)	15.0	(0.7)	32.0	(0.8)	33.8	(0.9)	15.7	(0.7)
	Chile	8.4	(0.7)	33.9	(1.2)	40.5	(1.0)	16.0	(1.0)	1.2	(0.2)
	Czech Republic	4.6	(0.5)	21.6	(0.8)	39.6	(1.0)	28.8	(1.0)	5.4	(0.4)
	Denmark	2.7	(0.3)	16.3	(0.8)	38.8	(0.9)	33.4	(0.9)	8.9	(0.7)
	Estonia	1.8	(0.3)	13.5	(0.7)	35.4	(1.1)	37.2	(1.0)	12.2	(0.8)
	Finland	3.4	(0.4)	14.7	(0.8)	32.2	(1.0)	35.2	(1.0)	14.4	(0.8)
	France	7.0	(0.5)	22.6	(0.7)	36.2	(0.9)	27.6	(1.0)	6.6	(0.5)
	Germany	3.6	(0.4)	16.9	(0.8)	34.3	(0.9)	32.4	(0.8)	12.7	(0.7)
	Greece	10.4	(1.0)	31.6	(1.2)	37.9	(1.1)	18.1	(1.0)	2.0	(0.3)
	Hungary	8.7	(0.6)	28.6	(1.0)	37.4	(0.9)	22.0	(0.9)	3.3	(0.4)
	Iceland	4.6	(0.5)	22.5	(1.0)	38.1	(1.2)	28.2	(1.0)	6.5	(0.6)
	Ireland	m	m	m	m	m	m	m	m	m	m
	Israel	11.5	(0.9)	30.2	(1.1)	30.7	(1.2)	22.1	(1.0)	5.4	(0.5)
	Italy	7.8	(0.6)	26.9	(1.0)	38.5	(1.0)	22.6	(0.9)	4.2	(0.5)
	Japan	1.2	(0.2)	8.9	(0.7)	31.4	(1.0)	44.4	(1.1)	14.0	(0.8)
	Korea	1.5	(0.3)	11.4	(0.7)	35.1	(0.9)	41.6	(1.0)	10.4	(0.8)
	Latvia	5.6	(0.5)	25.4	(0.9)	41.3	(0.9)	23.8	(1.0)	3.9	(0.5)
	Luxembourg	6.5	(0.5)	24.8	(0.7)	36.3	(0.7)	25.5	(0.7)	6.8	(0.4)
	Mexico	12.2	(0.9)	41.2	(1.4)	37.4	(1.2)	8.8	(0.6)	0.4	(0.1)
	Netherlands	3.4	(0.4)	18.6	(0.9)	35.7	(0.9)	32.3	(1.0)	10.0	(0.7)
	New Zealand	3.8	(0.4)	15.9	(0.7)	31.3	(0.9)	33.2	(1.0)	15.8	(0.9)
	Norway	4.4	(0.5)	21.0	(0.8)	39.5	(1.1)	28.3	(1.0)	6.8	(0.6)
	Poland	m	m	m	m	m	m	m	m	m	m
	Portugal	4.6	(0.4)	21.5	(0.9)	40.2	(0.8)	28.4	(1.0)	5.2	(0.5)
	Slovak Republic	9.5	(0.7)	31.1	(1.0)	38.4	(1.1)	18.4	(0.9)	2.6	(0.4)
	Slovenia	4.4	(0.4)	21.2	(0.8)	38.6	(1.2)	29.3	(0.9)	6.4	(0.7)
	Spain	4.4	(0.4)	21.4	(0.9)	41.6	(0.8)	28.3	(0.8)	4.3	(0.4)
	Sweden	4.5	(0.5)	20.1	(1.0)	35.9	(1.1)	30.3	(1.1)	9.1	(0.9)
	Switzerland	m	m	m	m	m	m	m	m	m	m
	Turkey	14.9	(1.1)	44.5	(1.4)	33.6	(1.5)	6.9	(0.8)	0.2	(0.1)
	United Kingdom	4.2	(0.4)	18.3	(0.8)	34.6	(0.8)	30.9	(0.9)	12.0	(0.7)
	United States	4.9	(0.5)	18.9	(1.0)	32.7	(0.8)	29.7	(1.0)	13.8	(1.0)
	OECD average	5.7	(0.1)	22.4	(0.2)	36.2	(0.2)	27.8	(0.2)	7.9	(0.1)
Partners	Brazil	21.2	(0.8)	43.0	(0.7)	27.7	(0.7)	7.5	(0.5)	0.6	(0.1)
	B-S-J-G (China)	5.8	(0.7)	22.4	(1.1)	37.9	(1.2)	27.4	(1.3)	6.4	(0.9)
	Bulgaria	15.3	(1.1)	34.1	(1.2)	32.6	(1.2)	16.0	(1.0)	2.0	(0.3)
	Colombia	14.1	(0.9)	42.3	(1.0)	33.8	(1.0)	9.2	(0.6)	0.6	(0.2)
	Costa Rica	9.4	(0.6)	40.6	(1.1)	39.6	(1.1)	9.9	(0.7)	0.5	(0.2)
	Croatia	6.6	(0.6)	28.7	(1.0)	41.8	(1.0)	20.4	(0.9)	2.4	(0.3)
	Cyprus*	13.0	(0.6)	36.0	(1.1)	35.5	(1.0)	14.0	(0.7)	1.5	(0.2)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	1.9	(0.3)	11.7	(0.8)	33.6	(1.1)	39.7	(1.1)	13.0	(0.8)
	Lithuania	8.3	(0.6)	30.2	(0.9)	39.3	(1.0)	19.7	(0.9)	2.5	(0.3)
	Macao (China)	2.2	(0.3)	12.7	(0.5)	35.6	(0.9)	38.4	(0.9)	11.1	(0.6)
	Montenegro	17.6	(0.6)	44.7	(0.9)	31.6	(0.8)	5.9	(0.5)	0.2	(0.1)
	Peru	18.1	(1.0)	43.3	(1.1)	30.6	(1.1)	7.6	(0.7)	0.4	(0.1)
	Qatar	m	m	m	m	m	m	m	m	m	m
	Russia	7.3	(0.7)	29.2	(1.3)	39.6	(1.2)	20.3	(1.2)	3.6	(0.5)
	Singapore	1.6	(0.2)	9.7	(0.5)	27.8	(0.6)	39.5	(0.7)	21.4	(0.6)
	Chinese Taipei	2.7	(0.3)	14.2	(0.7)	37.2	(1.0)	36.3	(1.0)	9.6	(0.8)
	Thailand	12.2	(1.0)	41.9	(1.2)	34.5	(1.2)	10.4	(0.9)	0.9	(0.3)
	Tunisia	24.5	(1.3)	59.5	(1.5)	15.2	(1.1)	0.8	(0.2)	0.0	(0.0)
	United Arab Emirates	16.2	(0.8)	37.7	(0.9)	31.6	(1.0)	12.8	(0.6)	1.8	(0.2)
	Uruguay	12.9	(0.7)	37.7	(0.9)	34.2	(0.9)	13.6	(0.7)	1.7	(0.3)
	Malaysia**	10.7	(0.9)	39.1	(1.4)	39.6	(1.3)	10.1	(1.0)	0.4	(0.2)

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.3.2 Mean score and variation in collaborative problem-solving performance

		Mean score and standard deviation				Percentiles													
		Mean score		Standard deviation		5th		10th		25th		Median (50th)		75th		90th		95th	
						Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.
OECD	Australia	531	(1.9)	107	(1.3)	347	(3.2)	388	(3.8)	460	(2.7)	537	(2.3)	607	(2.2)	664	(2.7)	698	(3.2)
	Austria	509	(2.6)	98	(1.5)	345	(4.0)	379	(3.8)	441	(3.4)	512	(3.3)	580	(3.1)	635	(3.4)	667	(4.3)
	Belgium	501	(2.4)	99	(1.4)	334	(4.2)	369	(3.6)	434	(3.2)	506	(2.4)	572	(2.4)	625	(3.0)	655	(3.3)
	Canada	535	(2.3)	104	(1.0)	358	(3.5)	397	(3.5)	465	(2.8)	539	(2.7)	607	(2.4)	667	(3.2)	702	(3.1)
	Chile	457	(2.7)	84	(1.3)	319	(3.6)	348	(3.4)	398	(3.3)	457	(3.2)	516	(3.3)	567	(3.6)	596	(4.0)
	Czech Republic	499	(2.2)	91	(1.4)	344	(4.2)	377	(3.7)	436	(3.0)	502	(2.7)	563	(2.6)	614	(2.9)	643	(3.1)
	Denmark	520	(2.5)	90	(1.2)	367	(3.9)	402	(3.7)	460	(3.3)	522	(2.9)	583	(3.1)	634	(3.6)	663	(4.3)
	Estonia	535	(2.5)	90	(1.3)	382	(3.9)	416	(3.5)	475	(3.1)	538	(3.0)	598	(3.4)	650	(3.8)	679	(3.7)
	Finland	534	(2.6)	101	(1.5)	359	(5.0)	399	(4.4)	466	(3.4)	539	(2.9)	605	(2.9)	660	(3.4)	693	(3.9)
	France	494	(2.4)	100	(1.5)	325	(4.0)	359	(3.5)	424	(3.2)	499	(2.9)	566	(2.8)	620	(3.1)	651	(4.0)
	Germany	525	(2.8)	101	(1.5)	354	(4.8)	390	(4.5)	456	(3.7)	527	(3.0)	595	(3.4)	653	(3.2)	686	(3.5)
	Greece	459	(3.6)	92	(1.6)	307	(5.6)	338	(5.1)	394	(4.5)	459	(4.0)	524	(3.7)	578	(4.1)	609	(4.1)
	Hungary	472	(2.4)	95	(1.6)	316	(4.3)	347	(3.4)	404	(3.0)	475	(3.1)	541	(2.8)	594	(3.5)	625	(3.5)
	Iceland	499	(2.3)	94	(1.9)	343	(4.3)	375	(4.1)	433	(3.3)	502	(3.0)	566	(3.4)	620	(4.3)	652	(5.1)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	469	(3.6)	105	(1.8)	307	(3.9)	334	(4.0)	386	(4.6)	467	(5.0)	548	(4.2)	609	(4.4)	643	(4.6)
	Italy	478	(2.5)	96	(1.6)	319	(4.6)	353	(3.7)	412	(3.3)	479	(3.0)	545	(2.9)	601	(4.0)	633	(4.5)
	Japan	552	(2.7)	85	(1.8)	402	(5.5)	440	(4.6)	499	(3.3)	558	(2.8)	610	(2.6)	655	(3.1)	680	(3.9)
	Korea	538	(2.5)	84	(1.5)	390	(4.9)	425	(3.8)	484	(3.3)	544	(2.6)	598	(2.5)	641	(3.1)	667	(3.4)
	Latvia	485	(2.3)	90	(1.3)	335	(3.7)	367	(3.8)	423	(3.1)	487	(2.6)	547	(2.8)	599	(3.2)	631	(4.4)
	Luxembourg	491	(1.5)	100	(1.0)	328	(3.6)	361	(2.5)	420	(2.0)	492	(2.1)	561	(2.0)	621	(2.5)	654	(3.7)
	Mexico	433	(2.5)	79	(1.5)	305	(3.9)	331	(3.3)	378	(3.1)	433	(3.1)	488	(3.2)	536	(3.4)	564	(3.7)
	Netherlands	518	(2.4)	97	(1.5)	355	(4.3)	389	(4.2)	450	(3.5)	521	(3.1)	586	(2.9)	640	(3.8)	672	(4.4)
	New Zealand	533	(2.4)	106	(1.7)	353	(5.1)	391	(4.1)	460	(3.5)	537	(3.1)	608	(3.6)	666	(3.5)	700	(4.0)
	Norway	502	(2.5)	94	(1.6)	345	(4.9)	380	(3.5)	439	(3.1)	505	(2.9)	568	(3.2)	621	(3.4)	653	(4.3)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	498	(2.6)	91	(1.3)	343	(4.3)	377	(4.0)	437	(3.2)	502	(2.9)	562	(3.2)	613	(2.9)	641	(3.7)
	Slovak Republic	463	(2.4)	93	(1.5)	311	(4.0)	343	(3.4)	398	(2.9)	463	(2.8)	528	(3.1)	583	(4.0)	615	(4.4)
	Slovenia	502	(1.8)	93	(1.3)	345	(3.6)	378	(3.0)	438	(2.8)	505	(2.4)	568	(2.7)	620	(3.7)	649	(4.3)
	Spain	496	(2.1)	88	(1.1)	345	(3.9)	379	(3.6)	438	(3.0)	500	(2.6)	559	(2.3)	607	(2.6)	635	(2.9)
	Sweden	510	(3.4)	98	(1.8)	344	(5.1)	379	(4.4)	441	(4.3)	513	(3.8)	579	(4.4)	635	(5.0)	667	(6.1)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	422	(3.4)	78	(1.6)	298	(4.0)	323	(3.8)	367	(3.6)	420	(4.0)	477	(4.4)	526	(4.3)	553	(5.0)
	United Kingdom	519	(2.7)	103	(1.1)	348	(4.1)	384	(3.9)	449	(3.4)	521	(3.1)	591	(3.4)	651	(3.4)	686	(3.9)
	United States	520	(3.6)	108	(1.7)	341	(4.6)	376	(4.4)	445	(4.3)	522	(4.1)	596	(4.2)	659	(4.6)	696	(5.6)
	OECD average	500	(0.5)	95	(0.3)	341	(0.8)	375	(0.7)	435	(0.6)	503	(0.5)	567	(0.6)	621	(0.6)	652	(0.7)
Partners	Brazil	412	(2.3)	87	(1.3)	277	(2.4)	304	(2.2)	350	(2.1)	406	(2.6)	470	(3.1)	529	(3.9)	564	(4.8)
	B-S-J-G (China)	496	(4.0)	97	(2.1)	333	(5.4)	368	(5.0)	429	(4.7)	499	(4.3)	564	(4.9)	620	(5.2)	651	(6.0)
	Bulgaria	444	(3.9)	98	(1.7)	290	(5.5)	319	(4.0)	370	(4.5)	442	(5.1)	515	(4.8)	575	(4.1)	606	(4.3)
	Colombia	429	(2.3)	83	(1.4)	300	(3.6)	325	(3.2)	370	(2.7)	426	(2.7)	486	(2.9)	539	(3.2)	571	(3.7)
	Costa Rica	441	(2.4)	78	(1.3)	316	(3.8)	343	(2.9)	387	(2.6)	440	(2.8)	494	(2.8)	542	(3.6)	570	(4.3)
	Croatia	473	(2.5)	87	(1.5)	328	(4.3)	359	(4.1)	412	(3.3)	474	(2.8)	534	(2.6)	585	(3.3)	614	(3.7)
	Cyprus*	444	(1.7)	91	(1.3)	298	(2.9)	328	(2.5)	379	(2.0)	443	(2.9)	508	(2.7)	564	(3.3)	596	(3.4)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	541	(2.9)	90	(1.6)	382	(4.9)	420	(5.0)	483	(4.0)	546	(3.4)	604	(3.2)	652	(3.2)	681	(3.6)
	Lithuania	467	(2.5)	91	(1.4)	319	(4.0)	349	(3.1)	404	(3.2)	468	(3.1)	532	(3.0)	584	(3.7)	613	(4.4)
	Macao (China)	534	(1.2)	90	(1.1)	377	(3.4)	415	(2.8)	476	(2.1)	539	(1.9)	596	(1.8)	645	(2.6)	672	(3.4)
	Montenegro	416	(1.3)	79	(1.2)	291	(2.5)	315	(2.3)	359	(1.5)	414	(1.7)	471	(2.4)	520	(2.8)	548	(3.4)
	Peru	418	(2.5)	83	(1.6)	287	(2.9)	313	(2.8)	358	(2.5)	414	(2.9)	475	(3.7)	529	(4.6)	561	(4.6)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	473	(3.4)	92	(1.4)	324	(4.6)	355	(4.2)	410	(3.7)	472	(4.1)	537	(4.5)	593	(4.4)	626	(5.7)
	Singapore	561	(1.2)	97	(1.2)	392	(3.2)	432	(2.6)	499	(1.9)	568	(1.9)	630	(1.9)	680	(2.8)	709	(3.2)
	Chinese Taipei	527	(2.5)	90	(1.5)	370	(3.9)	407	(3.5)	468	(2.9)	531	(2.8)	590	(3.0)	639	(3.5)	667	(4.1)
	Thailand	436	(3.5)	83	(1.7)	307	(4.0)	332	(3.4)	375	(3.4)	431	(3.9)	492	(4.5)	547	(5.1)	580	(5.7)
	Tunisia	382	(1.9)	59	(1.4)	291	(2.8)	310	(2.6)	341	(2.1)	378	(2.2)	419	(2.8)	459	(3.6)	485	(4.4)
	United Arab Emirates	435	(2.4)	95	(1.0)	289	(3.2)	317	(3.0)	366	(2.6)	430	(3.0)	500	(3.2)	563	(2.7)	598	(3.4)
	Uruguay	443	(2.3)	91	(1.3)	301	(3.4)	328	(2.7)	376	(2.5)	439	(2.5)	506	(3.1)	564	(3.7)	597	(4.8)
	Malaysia**	440	(3.3)	80	(1.7)	310	(3.9)	337	(3.6)	384	(3.5)	440	(3.7)	495	(3.8)	543	(4.8)	569	(4.7)

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616769>

[Part 1/2]

Table V.3.3a Top performers in four PISA subjects

		Percentage of 15-year-old students who are:															
		Not top performers in any of the four subjects		Top performers ¹ in only one of science, reading or mathematics		Top performers in only two of science, reading and mathematics		Top performers in science, reading and mathematics		Top performers in only collaborative problem solving		Top performers in collaborative problem solving and science		Top performers in collaborative problem solving and reading		Top performers in collaborative problem solving and mathematics	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	75.3	(0.7)	5.4	(0.4)	2.5	(0.2)	1.5	(0.2)	6.3	(0.4)	0.8	(0.1)	1.3	(0.2)	0.7	(0.2)
	Austria	80.7	(1.1)	6.5	(0.6)	2.5	(0.2)	1.3	(0.2)	3.2	(0.4)	0.3	(0.1)	0.6	(0.1)	1.0	(0.2)
	Belgium	78.4	(0.8)	8.4	(0.4)	3.8	(0.3)	2.4	(0.2)	1.9	(0.3)	0.2	(0.1)	0.4	(0.1)	0.9	(0.1)
	Canada	72.0	(0.9)	7.2	(0.4)	3.1	(0.3)	2.0	(0.2)	5.4	(0.3)	0.6	(0.1)	1.5	(0.2)	1.0	(0.2)
	Chile	96.0	(0.4)	2.0	(0.3)	0.6	(0.1)	0.3	(0.1)	0.6	(0.2)	0.0	(0.0)	0.2	(0.1)	0.0	(0.0)
	Czech Republic	84.1	(0.8)	5.5	(0.5)	2.7	(0.3)	2.4	(0.3)	1.9	(0.2)	0.2	(0.1)	0.3	(0.1)	0.4	(0.1)
	Denmark	81.6	(0.9)	6.0	(0.5)	2.4	(0.3)	1.2	(0.3)	3.5	(0.4)	0.4	(0.1)	0.5	(0.2)	1.0	(0.2)
	Estonia	76.2	(1.0)	6.2	(0.6)	3.3	(0.5)	2.1	(0.3)	3.4	(0.4)	0.7	(0.2)	0.5	(0.2)	0.7	(0.2)
	Finland	74.1	(0.9)	6.4	(0.5)	3.1	(0.3)	2.0	(0.3)	4.5	(0.4)	1.1	(0.2)	1.1	(0.2)	0.6	(0.1)
	France	79.6	(0.8)	8.0	(0.6)	3.4	(0.3)	2.5	(0.3)	2.0	(0.3)	0.2	(0.1)	0.8	(0.2)	0.4	(0.1)
	Germany	76.5	(1.0)	6.1	(0.5)	2.8	(0.3)	1.9	(0.3)	4.3	(0.4)	0.5	(0.1)	1.1	(0.2)	0.9	(0.2)
	Greece	92.4	(0.7)	3.9	(0.4)	1.1	(0.2)	0.6	(0.1)	0.8	(0.2)	0.1	(0.0)	0.2	(0.1)	0.2	(0.1)
	Hungary	88.6	(0.7)	5.0	(0.4)	1.8	(0.3)	1.2	(0.2)	1.1	(0.2)	0.1	(0.1)	0.2	(0.1)	0.3	(0.1)
	Iceland	84.5	(0.8)	6.2	(0.7)	1.9	(0.3)	0.8	(0.2)	2.3	(0.4)	0.1	(0.1)	0.6	(0.2)	0.9	(0.2)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	83.5	(1.2)	6.5	(0.6)	2.7	(0.4)	1.9	(0.2)	1.6	(0.3)	0.2	(0.1)	0.6	(0.2)	0.4	(0.1)
	Italy	84.8	(0.9)	7.5	(0.6)	2.3	(0.3)	1.2	(0.2)	1.7	(0.4)	0.1	(0.1)	0.3	(0.1)	0.6	(0.2)
	Japan	69.9	(1.3)	8.8	(0.6)	4.7	(0.4)	2.6	(0.4)	4.3	(0.4)	0.7	(0.2)	0.6	(0.1)	1.5	(0.3)
	Korea	72.0	(1.4)	10.6	(0.8)	4.5	(0.5)	2.6	(0.4)	2.4	(0.3)	0.2	(0.1)	0.8	(0.2)	1.5	(0.3)
	Latvia	89.9	(0.6)	4.0	(0.3)	1.3	(0.2)	0.8	(0.2)	1.8	(0.3)	0.2	(0.1)	0.3	(0.2)	0.3	(0.1)
	Luxembourg	83.7	(0.5)	5.5	(0.4)	2.4	(0.3)	1.7	(0.3)	2.2	(0.3)	0.2	(0.1)	0.6	(0.2)	0.6	(0.1)
	Mexico	99.1	(0.2)	0.4	(0.1)	0.1	(0.0)	0.0	(0.0)	0.3	(0.1)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)
	Netherlands	77.5	(0.9)	6.6	(0.5)	3.4	(0.3)	2.5	(0.3)	2.5	(0.4)	0.3	(0.1)	0.6	(0.2)	0.9	(0.3)
	New Zealand	74.0	(0.9)	5.9	(0.5)	2.5	(0.3)	1.7	(0.3)	5.5	(0.6)	1.0	(0.2)	1.6	(0.3)	0.6	(0.2)
	Norway	80.4	(0.9)	7.5	(0.6)	3.1	(0.4)	2.2	(0.3)	1.9	(0.3)	0.1	(0.1)	0.8	(0.2)	0.4	(0.2)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	82.9	(0.8)	7.0	(0.5)	3.2	(0.3)	1.8	(0.3)	1.5	(0.3)	0.2	(0.1)	0.4	(0.1)	0.4	(0.1)
	Slovak Republic	89.3	(0.6)	5.4	(0.5)	1.9	(0.3)	0.8	(0.2)	1.0	(0.2)	0.1	(0.1)	0.1	(0.1)	0.3	(0.1)
	Slovenia	80.1	(0.8)	6.9	(0.7)	3.9	(0.4)	2.8	(0.4)	1.9	(0.3)	0.2	(0.1)	0.4	(0.1)	0.5	(0.2)
	Spain	87.3	(0.7)	5.1	(0.5)	2.2	(0.3)	1.1	(0.2)	1.8	(0.2)	0.2	(0.1)	0.3	(0.1)	0.3	(0.1)
	Sweden	80.6	(1.2)	6.3	(0.6)	2.6	(0.3)	1.5	(0.2)	2.7	(0.4)	0.4	(0.1)	1.1	(0.2)	0.7	(0.2)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	98.3	(0.4)	1.2	(0.4)	0.2	(0.1)	0.1	(0.1)	0.1	(0.1)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)
	United Kingdom	78.6	(0.9)	5.4	(0.4)	2.6	(0.3)	1.3	(0.2)	4.4	(0.4)	0.8	(0.2)	0.7	(0.2)	0.7	(0.2)
	United States	81.1	(1.1)	3.3	(0.4)	1.2	(0.2)	0.5	(0.2)	5.7	(0.6)	0.9	(0.2)	1.3	(0.2)	0.4	(0.2)
	OECD average	82.3	(0.2)	5.8	(0.1)	2.5	(0.1)	1.5	(0.0)	2.6	(0.1)	0.4	(0.0)	0.6	(0.0)	0.6	(0.0)
Partners	Brazil	97.5	(0.3)	1.4	(0.2)	0.3	(0.1)	0.1	(0.1)	0.3	(0.1)	0.0	(0.0)	0.1	(0.0)	0.0	(0.0)
	B-S-J-G (China)	71.5	(1.9)	11.9	(0.9)	5.8	(0.5)	4.4	(0.6)	0.8	(0.2)	0.1	(0.1)	0.1	(0.1)	0.8	(0.2)
	Bulgaria	92.4	(0.8)	3.6	(0.5)	1.3	(0.3)	0.7	(0.2)	0.8	(0.2)	0.1	(0.1)	0.2	(0.1)	0.1	(0.1)
	Colombia	98.4	(0.2)	0.7	(0.1)	0.2	(0.1)	0.1	(0.0)	0.4	(0.1)	0.0	(0.0)	0.1	(0.0)	0.0	(0.0)
	Costa Rica	98.7	(0.3)	0.6	(0.1)	0.1	(0.1)	0.0	(0.0)	0.4	(0.1)	0.0	(0.0)	0.1	(0.1)	0.0	(0.0)
	Croatia	89.9	(0.7)	4.6	(0.4)	1.8	(0.3)	1.2	(0.2)	0.8	(0.2)	0.1	(0.1)	0.3	(0.1)	0.1	(0.1)
	Cyprus*	93.7	(0.4)	3.5	(0.4)	0.8	(0.2)	0.4	(0.1)	0.7	(0.1)	0.1	(0.0)	0.2	(0.1)	0.1	(0.1)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	67.0	(1.2)	14.5	(0.9)	3.8	(0.4)	1.8	(0.3)	3.7	(0.4)	0.1	(0.1)	0.8	(0.2)	2.6	(0.3)
	Lithuania	89.8	(0.8)	4.8	(0.5)	1.8	(0.3)	1.1	(0.2)	0.7	(0.1)	0.1	(0.1)	0.1	(0.1)	0.3	(0.1)
	Macao (China)	72.8	(0.7)	11.7	(0.6)	3.1	(0.3)	1.3	(0.2)	3.3	(0.4)	0.3	(0.1)	0.3	(0.1)	2.1	(0.3)
	Montenegro	97.4	(0.3)	1.9	(0.3)	0.4	(0.1)	0.2	(0.1)	0.1	(0.1)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)
	Peru	99.1	(0.2)	0.4	(0.1)	0.1	(0.0)	0.0	(0.0)	0.3	(0.1)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	85.7	(1.0)	7.6	(0.7)	2.1	(0.3)	1.0	(0.2)	1.3	(0.3)	0.1	(0.1)	0.5	(0.2)	0.3	(0.1)
	Singapore	57.3	(0.7)	11.1	(0.5)	6.0	(0.5)	4.1	(0.4)	3.5	(0.4)	0.6	(0.1)	0.5	(0.2)	2.3	(0.3)
	Chinese Taipei	68.4	(1.2)	13.2	(0.6)	6.5	(0.6)	2.3	(0.4)	1.7	(0.2)	0.2	(0.1)	0.1	(0.1)	1.5	(0.3)
	Thailand	97.7	(0.5)	1.1	(0.2)	0.2	(0.1)	0.1	(0.0)	0.6	(0.2)	0.0	(0.0)	0.0	(0.0)	0.1	(0.1)
	Tunisia	99.4	(0.2)	0.5	(0.2)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.0	c	0.0	c	0.0	c
	United Arab Emirates	93.6	(0.4)	2.9	(0.3)	1.1	(0.1)	0.6	(0.1)	0.6	(0.1)	0.1	(0.0)	0.1	(0.0)	0.1	(0.1)
	Uruguay	95.5	(0.5)	2.0	(0.3)	0.5	(0.1)	0.3	(0.1)	0.9	(0.2)	0.0	(0.0)	0.1	(0.1)	0.1	(0.0)
	Malaysia**	97.6	(0.5)	1.6	(0.3)	0.3	(0.1)	0.1	(0.1)	0.2	(0.1)	0.0	(0.0)	0.0	(0.0)	0.1	(0.1)

1. Top performers in collaborative problem solving are students who score at Level 4. Top performers in science, reading or mathematics score at Level 5 or 6 in the subject.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616769>



[Part 2/2]

Table V.3.3a Top performers in four PISA subjects

		Percentage of 15-year-old students who are:				Percentage of top performers in collaborative problem solving among top performers in...											
		Top performers ¹ in collaborative problem solving, science and reading		Top performers in collaborative problem solving, science and mathematics		Top performers in collaborative problem solving, reading and mathematics		Top performers in all four subjects		Science		Reading		Mathematics		Science, reading and mathematics	
		%	S.E.	%	S.E.	%	S.E.			%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	1.0	(0.2)	1.2	(0.2)	0.4	(0.1)	3.6	(0.3)	58.5	(2.1)	56.8	(2.4)	51.9	(2.4)	70.5	(3.3)
	Austria	0.4	(0.1)	1.1	(0.2)	0.4	(0.1)	2.1	(0.3)	50.5	(3.8)	48.5	(4.1)	37.2	(2.9)	61.7	(5.6)
	Belgium	0.3	(0.1)	0.8	(0.1)	0.5	(0.1)	2.2	(0.2)	38.1	(2.9)	35.7	(2.7)	27.5	(2.0)	47.9	(3.6)
	Canada	1.2	(0.2)	1.0	(0.2)	0.6	(0.1)	4.4	(0.3)	58.7	(2.2)	55.1	(2.2)	47.1	(1.7)	69.2	(2.7)
	Chile	0.1	(0.1)	0.0	(0.0)	0.0	(0.0)	0.1	(0.0)	22.8	(5.5)	18.0	(3.7)	16.5	(4.7)	29.3	(9.2)
	Czech Republic	0.2	(0.1)	0.5	(0.1)	0.2	(0.1)	1.5	(0.2)	33.7	(3.3)	29.7	(2.9)	26.0	(2.7)	39.4	(4.4)
	Denmark	0.3	(0.1)	1.0	(0.2)	0.3	(0.1)	1.9	(0.3)	51.1	(4.1)	47.3	(4.2)	36.2	(2.7)	62.1	(6.1)
	Estonia	0.9	(0.2)	1.6	(0.3)	0.3	(0.1)	4.0	(0.4)	53.5	(3.1)	51.8	(3.5)	46.2	(3.2)	65.0	(4.0)
	Finland	1.5	(0.3)	1.2	(0.2)	0.3	(0.1)	4.1	(0.4)	55.3	(2.9)	51.5	(3.2)	52.8	(3.5)	67.3	(4.5)
	France	0.5	(0.1)	0.4	(0.1)	0.3	(0.1)	2.0	(0.3)	38.1	(3.1)	28.5	(3.1)	27.2	(2.5)	44.5	(5.1)
	Germany	0.7	(0.1)	1.3	(0.2)	0.5	(0.2)	3.5	(0.3)	56.2	(2.9)	49.2	(3.1)	47.4	(2.9)	64.4	(3.9)
	Greece	0.1	(0.1)	0.1	(0.1)	0.1	(0.1)	0.4	(0.1)	31.7	(6.8)	19.6	(3.2)	19.7	(3.9)	38.7	(9.3)
	Hungary	0.1	(0.1)	0.4	(0.1)	0.1	(0.1)	0.9	(0.2)	35.1	(5.0)	30.6	(4.4)	21.5	(3.0)	42.1	(6.9)
	Iceland	0.1	(0.1)	0.4	(0.2)	0.9	(0.3)	1.3	(0.3)	49.8	(8.7)	43.4	(5.7)	33.8	(4.1)	60.9	(11.0)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	0.4	(0.1)	0.3	(0.1)	0.3	(0.1)	1.7	(0.3)	39.7	(3.5)	30.3	(2.4)	28.5	(3.0)	46.7	(4.2)
	Italy	0.1	(0.1)	0.4	(0.1)	0.2	(0.1)	0.7	(0.2)	32.5	(4.7)	24.0	(3.3)	18.4	(2.5)	37.0	(6.4)
	Japan	0.6	(0.1)	1.8	(0.3)	0.5	(0.2)	3.9	(0.4)	46.0	(2.5)	52.7	(3.0)	38.3	(2.3)	60.7	(3.6)
	Korea	0.3	(0.1)	1.0	(0.2)	1.0	(0.2)	3.3	(0.4)	45.1	(4.0)	42.5	(3.9)	32.3	(2.8)	56.0	(4.8)
	Latvia	0.2	(0.1)	0.3	(0.1)	0.1	(0.1)	0.7	(0.1)	39.0	(4.9)	31.2	(5.4)	27.1	(3.6)	47.4	(7.3)
	Luxembourg	0.4	(0.1)	0.5	(0.1)	0.3	(0.1)	2.0	(0.2)	44.2	(4.1)	40.2	(3.8)	33.7	(3.4)	53.8	(5.9)
	Mexico	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	c	c	c	c	c	c	c	c
	Netherlands	0.4	(0.1)	0.9	(0.2)	0.7	(0.2)	3.6	(0.4)	46.9	(3.4)	49.2	(3.1)	39.9	(2.5)	59.7	(4.2)
	New Zealand	1.5	(0.2)	1.1	(0.3)	0.4	(0.2)	4.3	(0.4)	60.9	(3.3)	56.3	(3.1)	55.5	(3.3)	71.7	(3.9)
	Norway	0.4	(0.1)	0.4	(0.1)	0.4	(0.1)	2.3	(0.3)	41.1	(3.8)	32.2	(3.0)	32.2	(3.4)	51.4	(5.4)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	0.3	(0.1)	0.6	(0.1)	0.2	(0.1)	1.5	(0.2)	35.2	(3.5)	31.7	(3.2)	24.7	(2.4)	46.2	(5.2)
	Slovak Republic	0.1	(0.1)	0.2	(0.1)	0.1	(0.1)	0.6	(0.1)	27.8	(3.9)	28.3	(5.0)	16.1	(2.2)	41.2	(7.6)
	Slovenia	0.3	(0.1)	0.8	(0.2)	0.2	(0.1)	2.0	(0.3)	32.3	(3.2)	33.3	(3.4)	26.5	(3.0)	42.6	(5.3)
	Spain	0.2	(0.1)	0.4	(0.1)	0.1	(0.1)	0.8	(0.2)	33.5	(4.3)	28.4	(4.2)	23.8	(2.6)	43.2	(6.0)
	Sweden	0.6	(0.2)	0.9	(0.2)	0.4	(0.1)	2.5	(0.4)	49.8	(3.4)	45.2	(3.3)	41.9	(3.4)	62.7	(4.5)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	0.0	(0.0)	0.0	(0.0)	0.0	c	0.0	(0.0)	c	c	3.7	(4.4)	2.3	(2.7)	c	c
	United Kingdom	1.0	(0.2)	1.0	(0.2)	0.3	(0.1)	3.1	(0.3)	54.4	(3.0)	55.5	(3.5)	47.3	(3.6)	69.4	(4.3)
	United States	1.7	(0.3)	0.6	(0.2)	0.3	(0.1)	2.9	(0.4)	72.5	(3.6)	64.5	(3.1)	71.6	(5.3)	84.4	(4.9)
	OECD average	0.5	(0.0)	0.7	(0.0)	0.3	(0.0)	2.1	(0.1)	44.5	(0.7)	39.2	(0.6)	33.9	(0.6)	54.6	(1.0)
Partners	Brazil	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.1	(0.0)	25.7	(5.4)	15.2	(3.5)	16.6	(4.6)	31.9	(17.1)
	B-S-J-G (China)	0.1	(0.1)	1.0	(0.2)	0.3	(0.1)	3.2	(0.7)	32.2	(3.6)	33.9	(4.3)	21.0	(2.5)	42.2	(4.6)
	Bulgaria	0.1	(0.1)	0.2	(0.1)	0.1	(0.0)	0.4	(0.1)	29.3	(4.0)	22.6	(4.9)	18.4	(3.1)	36.9	(7.9)
	Colombia	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.1	(0.0)	35.7	(15.8)	18.3	(7.5)	32.2	(16.3)	c	c
	Costa Rica	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	c	c	19.9	(7.2)	c	c	c	c
	Croatia	0.1	(0.1)	0.1	(0.1)	0.1	(0.1)	0.7	(0.2)	26.5	(4.3)	21.7	(3.3)	20.0	(3.1)	36.4	(7.3)
	Cyprus*	0.1	(0.1)	0.1	(0.1)	0.1	(0.1)	0.2	(0.1)	31.3	(9.3)	17.7	(4.4)	15.5	(4.5)	c	c
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	0.1	(0.1)	1.0	(0.2)	1.6	(0.3)	3.1	(0.4)	57.4	(3.6)	48.3	(3.1)	31.4	(2.1)	63.4	(4.8)
	Lithuania	0.1	(0.1)	0.4	(0.1)	0.1	(0.1)	0.7	(0.2)	30.8	(4.0)	21.1	(3.6)	20.3	(2.9)	36.7	(7.8)
	Macao (China)	0.2	(0.1)	1.5	(0.2)	0.4	(0.1)	2.9	(0.3)	53.6	(3.3)	58.2	(3.5)	31.9	(2.0)	68.5	(4.2)
	Montenegro	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	c	c	5.2	(3.8)	3.8	(2.6)	c	c
	Peru	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	0.0	(0.0)	c	c	c	c	c	c	c	c
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	0.2	(0.1)	0.2	(0.1)	0.2	(0.1)	0.7	(0.2)	33.0	(5.7)	25.3	(3.9)	16.3	(2.5)	40.7	(7.4)
	Singapore	0.6	(0.1)	3.5	(0.3)	0.8	(0.2)	9.6	(0.4)	59.0	(1.6)	62.3	(2.4)	46.5	(1.5)	69.9	(2.2)
	Chinese Taipei	0.1	(0.0)	2.5	(0.3)	0.2	(0.1)	3.3	(0.5)	40.1	(3.1)	53.3	(4.0)	26.5	(2.0)	58.9	(4.2)
	Thailand	0.0	(0.0)	0.1	(0.1)	0.0	(0.0)	0.1	(0.1)	43.1	(11.7)	35.9	(14.2)	19.7	(6.5)	c	c
	Tunisia	0.0	c	0.0	c	0.0	(0.0)	0.0	c	c	c	c	c	0.5	(2.0)	c	c
	United Arab Emirates	0.2	(0.1)	0.2	(0.0)	0.1	(0.0)	0.5	(0.1)	31.7	(3.9)	28.0	(3.2)	22.3	(3.7)	42.7	(7.5)
	Uruguay	0.1	(0.1)	0.1	(0.0)	0.1	(0.0)	0.2	(0.1)	37.3	(7.6)	22.3	(5.3)	24.1	(5.8)	41.3	(13.7)
	Malaysia**	0.0	(0.0)	0.1	(0.0)	0.0	(0.0)	0.1	(0.0)	22.5	(9.8)	22.4	(11.1)	11.1	(4.3)	c	c

1. Top performers in collaborative problem solving are students who score at Level 4. Top performers in science, reading or mathematics score at Level 5 or 6 in the subject.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616769>

[Part 1/2]

Table V.3.3b Low achievers in four PISA subjects

		Percentage of 15-year-old students who are:															
		Not low achievers in any of the four subjects		Low achievers ¹ in only one of science, reading or mathematics		Low achievers in only two of science, reading and mathematics		Low achievers in science, reading and mathematics		Low achievers in only collaborative problem solving		Low achievers in collaborative problem solving and science		Low achievers in collaborative problem solving and reading		Low achievers in collaborative problem solving and mathematics	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	67.1	(0.7)	7.0	(0.4)	3.5	(0.3)	2.5	(0.2)	4.6	(0.4)	0.5	(0.1)	1.3	(0.2)	1.3	(0.2)
	Austria	63.5	(1.2)	5.9	(0.4)	3.1	(0.3)	2.8	(0.4)	5.9	(0.5)	0.7	(0.2)	2.0	(0.3)	1.0	(0.2)
	Belgium	64.8	(1.1)	4.1	(0.4)	2.2	(0.3)	2.1	(0.2)	7.9	(0.4)	1.1	(0.1)	1.4	(0.2)	1.4	(0.2)
	Canada	73.8	(0.9)	4.8	(0.4)	1.9	(0.2)	1.0	(0.1)	7.0	(0.5)	0.6	(0.1)	1.2	(0.1)	1.5	(0.2)
	Chile	40.3	(1.3)	10.0	(0.6)	4.3	(0.4)	3.0	(0.4)	6.6	(0.5)	0.7	(0.2)	0.8	(0.2)	5.3	(0.6)
	Czech Republic	62.7	(1.1)	5.4	(0.5)	2.8	(0.4)	2.9	(0.4)	7.3	(0.5)	0.9	(0.2)	1.7	(0.3)	1.3	(0.2)
	Denmark	71.3	(1.1)	5.4	(0.5)	2.8	(0.4)	1.6	(0.3)	5.9	(0.5)	1.2	(0.2)	1.3	(0.2)	0.7	(0.2)
	Estonia	77.6	(0.9)	4.7	(0.4)	1.6	(0.3)	0.9	(0.2)	5.5	(0.5)	0.6	(0.1)	1.3	(0.3)	1.3	(0.3)
	Finland	75.0	(1.0)	4.3	(0.4)	1.7	(0.3)	1.0	(0.2)	6.4	(0.5)	0.8	(0.2)	0.9	(0.2)	1.4	(0.2)
	France	61.4	(0.9)	4.5	(0.3)	2.4	(0.3)	2.1	(0.3)	8.3	(0.6)	1.1	(0.2)	1.5	(0.2)	1.3	(0.2)
	Germany	69.2	(1.2)	5.1	(0.5)	2.7	(0.3)	2.5	(0.4)	6.3	(0.5)	1.0	(0.2)	1.2	(0.2)	1.1	(0.2)
	Greece	47.6	(1.7)	5.3	(0.5)	3.1	(0.4)	2.0	(0.3)	9.1	(0.6)	1.7	(0.3)	1.2	(0.2)	3.3	(0.4)
	Hungary	54.7	(1.2)	4.4	(0.4)	1.9	(0.3)	1.8	(0.3)	9.1	(0.6)	1.0	(0.2)	2.2	(0.4)	1.9	(0.3)
	Iceland	59.2	(1.1)	7.1	(0.6)	4.0	(0.5)	2.4	(0.4)	6.0	(0.6)	1.7	(0.3)	1.5	(0.3)	1.3	(0.3)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	50.1	(1.6)	4.2	(0.4)	2.3	(0.2)	1.7	(0.3)	9.7	(0.6)	1.6	(0.3)	1.5	(0.3)	2.8	(0.3)
	Italy	55.2	(1.2)	5.6	(0.6)	2.8	(0.4)	1.6	(0.3)	11.4	(0.7)	1.8	(0.3)	1.9	(0.3)	2.2	(0.3)
	Japan	79.8	(1.1)	5.7	(0.5)	2.5	(0.3)	1.9	(0.3)	2.7	(0.3)	0.2	(0.1)	1.2	(0.2)	0.4	(0.1)
	Korea	75.5	(1.2)	6.3	(0.4)	3.3	(0.3)	2.0	(0.3)	2.4	(0.3)	0.6	(0.1)	0.8	(0.2)	0.7	(0.2)
	Latvia	60.4	(1.0)	5.4	(0.5)	2.0	(0.3)	1.2	(0.2)	11.2	(0.6)	1.0	(0.2)	2.0	(0.3)	2.6	(0.4)
	Luxembourg	57.7	(0.6)	5.1	(0.5)	3.1	(0.4)	2.7	(0.3)	7.4	(0.5)	1.0	(0.2)	1.8	(0.3)	1.5	(0.3)
	Mexico	29.5	(1.3)	9.0	(0.5)	4.6	(0.4)	3.4	(0.4)	6.4	(0.5)	1.5	(0.2)	1.3	(0.2)	4.0	(0.4)
	Netherlands	68.7	(1.1)	4.4	(0.5)	2.5	(0.4)	2.4	(0.3)	6.2	(0.5)	1.0	(0.3)	1.6	(0.3)	0.8	(0.2)
	New Zealand	67.6	(1.1)	7.1	(0.5)	3.3	(0.4)	2.4	(0.3)	4.4	(0.4)	0.6	(0.2)	1.3	(0.3)	1.4	(0.2)
	Norway	65.7	(1.1)	4.8	(0.4)	2.6	(0.3)	1.5	(0.2)	8.9	(0.7)	1.6	(0.2)	1.4	(0.3)	1.2	(0.2)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	63.5	(1.2)	6.0	(0.5)	2.7	(0.4)	1.6	(0.2)	7.3	(0.6)	0.8	(0.1)	1.4	(0.2)	2.4	(0.3)
	Slovak Republic	48.9	(1.2)	5.1	(0.5)	2.8	(0.3)	2.5	(0.4)	10.2	(0.6)	1.7	(0.2)	3.2	(0.4)	1.2	(0.2)
	Slovenia	67.0	(0.8)	4.2	(0.3)	1.9	(0.3)	1.3	(0.2)	9.8	(0.5)	1.0	(0.2)	1.8	(0.3)	1.5	(0.3)
	Spain	63.6	(1.1)	5.9	(0.5)	2.8	(0.4)	1.8	(0.3)	8.1	(0.6)	0.8	(0.1)	1.3	(0.2)	2.1	(0.2)
	Sweden	64.2	(1.5)	5.9	(0.5)	3.5	(0.4)	1.8	(0.3)	6.1	(0.6)	1.3	(0.2)	1.7	(0.2)	1.1	(0.2)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	30.1	(2.0)	5.7	(0.5)	2.7	(0.3)	2.1	(0.3)	10.5	(0.7)	1.6	(0.3)	1.9	(0.4)	4.7	(0.4)
	United Kingdom	65.1	(1.0)	7.0	(0.5)	3.3	(0.4)	2.1	(0.3)	5.9	(0.6)	0.7	(0.2)	1.5	(0.3)	1.7	(0.2)
	United States	62.1	(1.5)	8.4	(0.8)	3.4	(0.4)	2.4	(0.3)	4.3	(0.4)	0.6	(0.1)	0.7	(0.2)	2.3	(0.4)
	OECD average	61.3	(0.2)	5.7	(0.1)	2.8	(0.1)	2.0	(0.1)	7.2	(0.1)	1.0	(0.0)	1.5	(0.0)	1.8	(0.0)
Partners	Brazil	19.7	(0.9)	8.3	(0.4)	4.3	(0.3)	3.5	(0.3)	5.5	(0.5)	0.8	(0.1)	1.0	(0.1)	5.6	(0.4)
	B-S-J-G (China)	64.7	(1.7)	4.2	(0.4)	1.6	(0.2)	1.3	(0.3)	9.2	(0.6)	0.7	(0.2)	3.2	(0.5)	1.0	(0.2)
	Bulgaria	40.4	(1.8)	5.8	(0.4)	2.4	(0.3)	1.9	(0.2)	7.6	(0.6)	0.9	(0.2)	3.0	(0.4)	2.5	(0.4)
	Colombia	26.6	(1.0)	9.6	(0.6)	3.9	(0.3)	3.5	(0.4)	4.9	(0.4)	0.4	(0.1)	0.5	(0.1)	6.6	(0.5)
	Costa Rica	26.5	(1.2)	11.4	(0.7)	6.2	(0.5)	6.0	(0.6)	6.1	(0.5)	0.8	(0.2)	1.0	(0.2)	5.4	(0.4)
	Croatia	53.1	(1.4)	6.8	(0.5)	3.2	(0.4)	1.6	(0.3)	9.5	(0.5)	1.2	(0.2)	1.1	(0.2)	3.7	(0.4)
	Cyprus*	36.9	(0.8)	7.1	(0.5)	4.2	(0.4)	2.8	(0.4)	9.0	(0.8)	2.3	(0.3)	2.0	(0.4)	2.6	(0.3)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	80.2	(1.1)	3.4	(0.3)	1.7	(0.3)	1.0	(0.2)	5.4	(0.6)	0.6	(0.2)	1.0	(0.2)	0.6	(0.1)
	Lithuania	53.1	(1.2)	4.7	(0.5)	2.2	(0.3)	1.5	(0.2)	11.5	(0.7)	1.4	(0.3)	2.6	(0.4)	2.1	(0.3)
	Macao (China)	79.4	(0.6)	3.8	(0.4)	1.3	(0.3)	0.6	(0.2)	5.6	(0.4)	0.5	(0.1)	2.4	(0.3)	0.5	(0.2)
	Montenegro	26.6	(0.7)	5.7	(0.4)	3.3	(0.3)	2.1	(0.3)	10.4	(0.7)	3.1	(0.3)	1.7	(0.2)	3.6	(0.5)
	Peru	23.2	(1.3)	7.4	(0.6)	4.3	(0.3)	3.7	(0.3)	4.4	(0.5)	1.0	(0.2)	1.0	(0.2)	3.5	(0.3)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	54.9	(1.7)	5.6	(0.5)	2.1	(0.3)	0.9	(0.2)	15.9	(0.9)	2.0	(0.3)	2.7	(0.5)	2.5	(0.4)
	Singapore	82.2	(0.6)	3.6	(0.3)	1.7	(0.2)	1.2	(0.2)	3.3	(0.3)	0.5	(0.2)	1.1	(0.2)	0.3	(0.1)
	Chinese Taipei	74.5	(0.9)	4.7	(0.4)	2.1	(0.2)	1.8	(0.2)	4.7	(0.4)	0.3	(0.1)	2.0	(0.2)	0.5	(0.1)
	Thailand	29.0	(1.5)	8.7	(0.5)	4.5	(0.5)	3.7	(0.4)	5.9	(0.6)	1.1	(0.2)	2.8	(0.4)	2.9	(0.3)
	Tunisia	8.4	(0.8)	3.4	(0.4)	2.1	(0.3)	2.1	(0.4)	7.8	(0.8)	0.8	(0.3)	3.3	(0.4)	5.1	(0.5)
	United Arab Emirates	35.5	(1.1)	6.2	(0.4)	2.7	(0.3)	1.8	(0.2)	8.0	(0.5)	1.3	(0.2)	2.0	(0.2)	4.1	(0.4)
	Uruguay	34.7	(1.1)	7.8	(0.5)	3.7	(0.4)	3.3	(0.3)	7.2	(0.5)	0.8	(0.2)	1.4	(0.2)	4.8	(0.4)
	Malaysia**	40.5	(1.8)	5.4	(0.6)	2.3	(0.3)	1.8	(0.3)	11.3	(0.7)	1.1	(0.2)	3.0	(0.4)	3.2	(0.4)

1. Low achievers in collaborative problem solving, science, reading or mathematics score below Level 2 in the subject.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616769>



[Part 2/2]

Table V.3.3b Low achievers in four PISA subjects

	Percentage of 15-year-old students who are:								Percentage of low achievers in collaborative problem solving among low achievers in ...							
	Low achievers ¹ in collaborative problem solving, science and reading		Low achievers in collaborative problem solving, science and mathematics		Low achievers in collaborative problem solving, reading and mathematics		Low achievers in all four subjects		Science		Reading		Mathematics		Science, reading and mathematics	
	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	1.3 (0.2)	1.4 (0.2)	0.9 (0.1)	8.6 (0.4)	66.9 (1.5)	66.6 (1.3)	55.9 (1.6)	77.1 (1.6)							
	Austria	2.0 (0.4)	1.4 (0.2)	1.0 (0.2)	10.7 (0.7)	71.1 (1.8)	69.7 (2.0)	65.2 (2.5)	79.5 (2.3)							
	Belgium	1.9 (0.3)	1.7 (0.2)	0.9 (0.2)	10.6 (0.7)	76.9 (1.4)	75.7 (1.6)	72.8 (1.7)	83.6 (1.6)							
	Canada	1.0 (0.2)	1.5 (0.2)	0.7 (0.1)	4.9 (0.4)	72.9 (2.2)	72.6 (2.1)	60.2 (2.0)	82.4 (1.8)							
	Chile	0.8 (0.2)	6.2 (0.6)	1.6 (0.3)	20.3 (1.0)	80.5 (1.7)	82.6 (1.4)	67.6 (1.6)	87.1 (1.5)							
	Czech Republic	1.9 (0.3)	1.4 (0.3)	1.0 (0.2)	10.7 (0.7)	72.2 (2.1)	69.4 (2.3)	66.6 (2.2)	78.5 (2.2)							
	Denmark	2.1 (0.3)	1.4 (0.2)	0.4 (0.1)	5.9 (0.5)	67.0 (2.2)	64.6 (2.4)	62.2 (2.8)	79.0 (3.2)							
	Estonia	1.1 (0.2)	1.0 (0.2)	0.6 (0.2)	3.8 (0.4)	73.9 (3.0)	64.5 (3.1)	60.1 (2.7)	81.1 (3.9)							
	Finland	1.2 (0.2)	1.4 (0.2)	0.7 (0.2)	5.3 (0.5)	75.2 (3.0)	72.9 (3.3)	64.6 (2.9)	84.1 (3.1)							
	France	1.8 (0.2)	2.0 (0.2)	0.9 (0.2)	12.7 (0.8)	79.5 (1.6)	78.5 (1.7)	72.3 (1.8)	85.8 (1.6)							
	Germany	1.5 (0.3)	1.5 (0.2)	0.5 (0.2)	7.4 (0.6)	67.1 (2.7)	65.6 (2.8)	60.9 (2.6)	74.9 (3.2)							
	Greece	2.1 (0.3)	4.7 (0.5)	1.1 (0.2)	18.7 (1.6)	83.3 (1.8)	84.9 (1.5)	77.8 (1.9)	90.3 (1.2)							
	Hungary	2.6 (0.3)	2.3 (0.3)	1.5 (0.2)	16.8 (0.9)	86.8 (1.3)	83.7 (1.3)	80.3 (1.4)	90.5 (1.3)							
	Iceland	2.4 (0.5)	2.6 (0.5)	0.9 (0.3)	10.7 (0.6)	68.8 (2.3)	70.6 (2.4)	65.8 (3.2)	81.5 (2.7)							
	Ireland	m m	m m	m m	m m	m m	m m	m m	m m							
	Israel	2.2 (0.3)	3.5 (0.4)	1.3 (0.3)	19.2 (1.1)	85.0 (1.5)	87.7 (1.3)	82.5 (1.7)	91.9 (1.2)							
	Italy	2.6 (0.3)	3.2 (0.4)	1.1 (0.2)	10.6 (0.7)	78.3 (1.9)	77.2 (2.1)	73.1 (2.3)	86.8 (2.1)							
	Japan	1.0 (0.2)	0.4 (0.1)	0.5 (0.2)	3.7 (0.5)	55.4 (3.3)	49.6 (2.9)	46.9 (3.8)	65.8 (4.3)							
	Korea	1.0 (0.2)	1.1 (0.2)	0.6 (0.2)	5.6 (0.6)	58.2 (2.6)	58.9 (3.3)	52.6 (2.7)	73.5 (3.7)							
	Latvia	1.7 (0.3)	2.1 (0.3)	1.2 (0.3)	9.2 (0.6)	81.4 (2.0)	80.0 (2.0)	70.6 (2.4)	88.4 (2.0)							
	Luxembourg	2.5 (0.3)	2.0 (0.3)	1.0 (0.2)	14.3 (0.5)	76.0 (1.4)	76.3 (1.7)	72.6 (1.8)	84.0 (1.5)							
	Mexico	2.0 (0.3)	6.0 (0.5)	2.0 (0.3)	30.3 (1.2)	83.3 (1.2)	85.1 (1.3)	74.7 (1.5)	89.8 (1.1)							
	Netherlands	1.9 (0.3)	1.2 (0.2)	0.8 (0.2)	8.5 (0.7)	68.2 (2.6)	70.6 (2.7)	67.4 (2.9)	77.7 (2.5)							
	New Zealand	1.2 (0.2)	1.8 (0.3)	0.8 (0.2)	8.2 (0.6)	68.3 (2.5)	66.6 (2.5)	56.4 (2.5)	77.8 (2.8)							
	Norway	1.8 (0.2)	2.5 (0.3)	0.5 (0.1)	7.5 (0.5)	71.6 (2.0)	74.9 (2.0)	68.5 (2.4)	83.6 (2.1)							
	Poland	m m	m m	m m	m m	m m	m m	m m	m m							
	Portugal	1.1 (0.2)	2.5 (0.3)	1.5 (0.3)	9.1 (0.6)	77.4 (2.3)	75.8 (2.4)	65.4 (2.6)	84.8 (2.1)							
	Slovak Republic	3.6 (0.4)	1.7 (0.3)	1.3 (0.2)	17.6 (0.9)	80.3 (1.3)	80.0 (1.5)	78.8 (1.5)	87.4 (1.6)							
	Slovenia	1.8 (0.2)	2.0 (0.3)	0.9 (0.2)	6.9 (0.4)	77.5 (2.2)	75.4 (2.0)	70.2 (2.2)	84.2 (1.9)							
	Spain	1.4 (0.2)	2.8 (0.4)	0.8 (0.2)	8.5 (0.6)	73.9 (2.2)	74.1 (1.9)	63.8 (2.3)	82.3 (2.1)							
	Sweden	1.9 (0.3)	2.4 (0.3)	0.6 (0.2)	9.5 (0.7)	69.9 (2.3)	74.8 (1.9)	65.4 (2.0)	83.7 (1.9)							
	Switzerland	m m	m m	m m	m m	m m	m m	m m	m m							
	Turkey	2.4 (0.3)	6.8 (0.6)	2.3 (0.4)	29.1 (1.8)	89.8 (0.9)	89.4 (1.0)	83.5 (1.3)	93.4 (0.9)							
	United Kingdom	1.5 (0.3)	2.1 (0.3)	1.2 (0.2)	7.9 (0.6)	69.8 (1.9)	67.3 (2.2)	59.1 (2.2)	78.7 (2.4)							
	United States	0.8 (0.2)	2.5 (0.3)	1.3 (0.3)	11.1 (0.8)	74.3 (2.4)	73.5 (2.2)	58.8 (2.5)	82.1 (2.3)							
	OECD average	1.7 (0.1)	2.4 (0.1)	1.0 (0.0)	11.4 (0.1)	74.4 (0.4)	73.7 (0.4)	67.0 (0.4)	82.9 (0.4)							
Partners	Brazil	1.3 (0.2)	6.8 (0.5)	2.5 (0.2)	40.6 (1.1)	87.4 (0.8)	89.1 (0.9)	79.1 (0.9)	92.1 (0.7)							
	B-S-J-G (China)	2.4 (0.3)	0.9 (0.2)	1.2 (0.2)	9.6 (0.9)	83.8 (1.8)	75.1 (1.8)	81.0 (1.9)	88.5 (2.0)							
	Bulgaria	3.1 (0.3)	2.5 (0.3)	2.2 (0.3)	27.7 (1.7)	90.3 (0.9)	86.9 (1.0)	82.8 (1.3)	93.6 (0.7)							
	Colombia	0.4 (0.1)	7.2 (0.5)	1.8 (0.3)	34.7 (1.4)	87.0 (0.9)	87.2 (0.9)	75.7 (1.1)	90.7 (0.9)							
	Costa Rica	1.1 (0.2)	6.1 (0.5)	2.3 (0.4)	27.0 (1.1)	75.6 (1.4)	78.0 (1.5)	65.5 (1.6)	81.8 (1.6)							
	Croatia	1.2 (0.2)	4.3 (0.4)	1.4 (0.3)	12.9 (0.9)	79.6 (1.9)	83.6 (2.0)	69.8 (1.9)	88.9 (1.7)							
	Cyprus*	3.2 (0.4)	5.4 (0.4)	1.2 (0.2)	23.3 (0.6)	81.1 (1.5)	83.4 (1.5)	76.2 (1.3)	89.2 (1.4)							
	Dominican Republic	m m	m m	m m	m m	m m	m m	m m	m m							
	Hong Kong (China)	1.3 (0.2)	0.9 (0.2)	0.3 (0.1)	3.6 (0.4)	67.8 (3.4)	66.4 (3.4)	60.2 (3.5)	78.4 (3.7)							
	Lithuania	2.7 (0.3)	3.0 (0.4)	1.3 (0.2)	13.9 (0.8)	85.1 (1.5)	81.5 (1.5)	79.8 (1.4)	90.4 (1.4)							
	Macao (China)	2.3 (0.4)	0.4 (0.1)	0.4 (0.1)	2.9 (0.4)	75.3 (3.9)	68.2 (2.7)	63.4 (4.6)	82.5 (5.0)							
	Montenegro	3.4 (0.4)	7.5 (0.4)	1.6 (0.2)	30.9 (0.7)	88.1 (0.9)	89.7 (1.0)	84.1 (1.2)	93.6 (0.9)							
	Peru	1.6 (0.2)	4.9 (0.6)	2.0 (0.3)	43.0 (1.3)	86.4 (0.9)	88.2 (0.8)	80.6 (1.0)	92.0 (0.7)							
	Qatar	m m	m m	m m	m m	m m	m m	m m	m m							
	Russia	2.7 (0.4)	3.0 (0.4)	0.9 (0.2)	6.8 (0.6)	79.8 (2.2)	80.8 (2.4)	69.6 (2.6)	88.1 (2.9)							
	Singapore	1.7 (0.2)	0.5 (0.1)	0.3 (0.1)	3.6 (0.3)	65.9 (2.4)	60.5 (2.5)	62.6 (3.3)	75.7 (3.6)							
	Chinese Taipei	1.6 (0.2)	0.5 (0.1)	0.8 (0.2)	6.6 (0.5)	71.9 (2.1)	63.1 (2.5)	65.1 (2.0)	78.7 (2.3)							
	Thailand	3.6 (0.4)	3.0 (0.4)	2.8 (0.3)	32.0 (1.4)	85.1 (1.2)	82.5 (1.5)	75.6 (1.4)	89.6 (1.0)							
	Tunisia	2.9 (0.4)	3.8 (0.4)	5.2 (0.6)	55.1 (1.4)	95.0 (0.8)	92.9 (0.8)	92.6 (0.8)	96.3 (0.6)							
	United Arab Emirates	2.5 (0.4)	4.3 (0.4)	2.4 (0.3)	29.4 (1.0)	89.7 (0.8)	89.8 (1.0)	82.4 (1.2)	94.2 (0.6)							
	Uruguay	1.3 (0.2)	5.0 (0.4)	2.5 (0.3)	27.5 (1.0)	84.9 (1.0)	84.0 (1.2)	76.0 (1.1)	89.3 (1.1)							
	Malaysia**	3.2 (0.5)	2.8 (0.3)	2.2 (0.4)	23.1 (1.3)	89.4 (1.1)	84.6 (1.6)	83.2 (1.5)	92.6 (1.2)							

1. Low achievers in collaborative problem solving, science, reading or mathematics score below Level 2 in the subject.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616769>

[Part 1/2]

Table V.3.9a Relative performance in collaborative problem solving

Based on residual scores after accounting for performance in the core PISA subjects in regressions involving all OECD and partner countries/economies

		Relative performance in collaborative problem solving based on performance in...															
		Science				Reading				Mathematics				Science, reading and mathematics			
		Average relative score ¹		Percentage of students who score higher than expected ^{2,3}		Average relative score		Percentage of students who score higher than expected		Average relative score		Percentage of students who score higher than expected		Average relative score		Percentage of students who score higher than expected	
Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.		
OECD	Australia	21	(1.6)	62.2	(1.0)	26	(1.5)	64.7	(0.9)	33	(1.9)	66.7	(1.1)	23	(1.5)	63.4	(1.0)
	Austria	11	(1.8)	57.6	(1.2)	18	(2.1)	61.5	(1.4)	9	(2.1)	55.3	(1.4)	13	(1.8)	58.6	(1.3)
	Belgium	-3	(1.5)	48.6	(1.0)	-1	(1.5)	49.6	(1.0)	-7	(1.6)	45.7	(0.9)	-4	(1.4)	47.5	(0.9)
	Canada	11	(1.6)	56.8	(1.0)	12	(1.9)	57.1	(1.1)	21	(1.9)	60.5	(1.1)	10	(1.6)	56.1	(1.1)
	Chile	-2	(2.0)	48.7	(1.5)	-14	(2.0)	39.9	(1.5)	11	(2.1)	57.9	(1.7)	-3	(1.9)	47.6	(1.5)
	Czech Republic	2	(1.8)	51.7	(1.3)	5	(1.9)	53.1	(1.2)	1	(1.7)	50.7	(1.1)	3	(1.7)	51.8	(1.2)
	Denmark	16	(1.6)	61.5	(1.2)	17	(1.9)	61.0	(1.3)	8	(2.0)	55.4	(1.3)	14	(1.7)	60.3	(1.1)
	Estonia	6	(1.7)	54.7	(1.5)	18	(2.0)	61.9	(1.6)	18	(1.8)	61.6	(1.2)	8	(1.7)	56.6	(1.4)
	Finland	7	(1.8)	54.9	(1.3)	11	(1.9)	56.7	(1.2)	22	(2.1)	63.0	(1.3)	7	(1.7)	54.9	(1.3)
	France	-4	(2.0)	47.8	(1.3)	-8	(1.7)	45.2	(1.3)	-4	(2.2)	48.1	(1.5)	-7	(1.9)	46.0	(1.3)
	Germany	15	(1.9)	59.3	(1.2)	15	(2.0)	58.4	(1.2)	17	(2.2)	59.5	(1.2)	14	(1.8)	58.3	(1.3)
	Greece	-7	(1.7)	45.3	(1.3)	-19	(1.8)	37.6	(1.2)	-10	(2.0)	44.5	(1.4)	-10	(1.6)	42.6	(1.3)
	Hungary	-11	(1.3)	42.0	(1.1)	-8	(1.6)	45.1	(1.2)	-14	(1.7)	41.6	(1.2)	-10	(1.3)	42.9	(1.1)
	Iceland	19	(1.7)	62.2	(1.3)	11	(1.7)	56.7	(1.2)	5	(2.0)	53.2	(1.3)	15	(1.6)	59.9	(1.3)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	-7	(1.7)	44.3	(1.2)	-17	(1.8)	39.0	(1.2)	-12	(2.2)	42.6	(1.4)	-11	(1.6)	42.2	(1.2)
	Italy	-8	(1.9)	44.6	(1.3)	-14	(2.1)	42.3	(1.3)	-18	(2.4)	40.2	(1.3)	-11	(1.8)	42.8	(1.3)
	Japan	19	(1.8)	62.9	(1.2)	37	(1.7)	74.1	(1.1)	24	(2.0)	65.7	(1.2)	23	(1.6)	65.9	(1.2)
	Korea	24	(1.8)	66.6	(1.3)	22	(1.9)	65.8	(1.4)	17	(2.1)	61.7	(1.5)	20	(1.8)	65.4	(1.4)
	Latvia	-9	(1.7)	44.2	(1.3)	-9	(1.9)	44.0	(1.5)	-5	(1.6)	47.3	(1.3)	-9	(1.7)	43.8	(1.4)
	Luxembourg	3	(1.5)	52.2	(1.2)	2	(1.4)	51.6	(1.1)	-2	(1.7)	49.2	(1.1)	2	(1.4)	51.4	(1.3)
	Mexico	-1	(1.7)	49.4	(1.2)	-11	(1.6)	41.6	(1.1)	-2	(1.8)	49.0	(1.2)	-1	(1.6)	49.1	(1.2)
	Netherlands	9	(1.6)	55.6	(1.3)	12	(1.8)	58.2	(1.4)	5	(1.9)	53.6	(1.4)	8	(1.5)	55.5	(1.3)
	New Zealand	20	(1.8)	62.4	(1.1)	23	(2.1)	62.9	(1.3)	33	(1.9)	67.3	(1.1)	20	(1.8)	62.8	(1.1)
	Norway	2	(1.9)	50.9	(1.3)	-11	(2.3)	43.5	(1.5)	-2	(2.1)	49.0	(1.2)	-5	(2.0)	46.9	(1.5)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	-5	(2.0)	47.0	(1.5)	-4	(2.3)	47.7	(1.6)	1	(2.0)	51.0	(1.3)	-5	(2.0)	46.8	(1.6)
	Slovak Republic	-8	(1.7)	45.2	(1.2)	-4	(1.8)	47.0	(1.2)	-22	(1.9)	37.4	(1.2)	-7	(1.6)	45.4	(1.2)
	Slovenia	-10	(1.7)	43.9	(1.1)	-5	(1.6)	47.1	(1.1)	-9	(1.7)	45.4	(1.0)	-10	(1.6)	43.8	(1.1)
	Spain	0	(1.5)	50.6	(1.3)	-3	(1.6)	48.2	(1.1)	4	(1.8)	52.7	(1.4)	-1	(1.5)	49.2	(1.3)
	Sweden	13	(2.0)	58.4	(1.3)	7	(2.1)	54.5	(1.5)	11	(2.0)	56.9	(1.4)	9	(1.9)	56.7	(1.3)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	-20	(1.5)	34.9	(1.2)	-26	(1.8)	31.9	(1.3)	-22	(1.8)	35.4	(1.3)	-19	(1.5)	34.9	(1.3)
	United Kingdom	10	(1.9)	56.1	(1.3)	18	(2.4)	60.3	(1.6)	22	(2.2)	61.8	(1.4)	12	(2.0)	57.8	(1.3)
	United States	21	(2.2)	63.6	(1.5)	20	(2.4)	61.6	(1.6)	40	(2.6)	71.0	(1.4)	22	(2.1)	63.9	(1.4)
	OECD average	4	(0.3)	52.7	(0.2)	4	(0.3)	52.2	(0.2)	5	(0.4)	53.2	(0.2)	3	(0.3)	52.2	(0.2)
Partners	Brazil	-10	(1.5)	42.7	(1.2)	-21	(1.9)	36.5	(1.2)	0	(2.0)	49.5	(1.4)	-9	(1.5)	43.8	(1.2)
	B-S-J-G (China)	-20	(1.8)	36.4	(1.2)	-2	(2.0)	48.6	(1.5)	-30	(2.0)	31.7	(1.3)	-17	(1.8)	38.3	(1.3)
	Bulgaria	-14	(1.5)	39.5	(1.2)	-7	(1.5)	45.5	(1.2)	-15	(2.0)	40.5	(1.3)	-10	(1.4)	42.9	(1.2)
	Colombia	-5	(1.3)	46.1	(1.3)	-16	(1.5)	38.3	(1.2)	8	(1.4)	55.6	(1.1)	-4	(1.2)	46.6	(1.2)
	Costa Rica	4	(1.9)	52.6	(1.6)	-6	(2.0)	45.4	(1.4)	12	(2.3)	57.5	(1.6)	4	(1.9)	53.2	(1.5)
	Croatia	-9	(1.4)	44.0	(1.0)	-20	(1.7)	36.6	(1.3)	-4	(1.7)	47.9	(1.2)	-12	(1.4)	41.2	(1.0)
	Cyprus*	-4	(1.6)	47.7	(1.1)	-15	(1.6)	40.5	(1.1)	-12	(1.8)	43.1	(1.2)	-6	(1.5)	46.0	(1.2)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	20	(2.0)	63.7	(1.4)	17	(1.8)	61.8	(1.3)	2	(2.0)	52.0	(1.3)	15	(1.8)	60.6	(1.4)
	Lithuania	-15	(1.5)	39.4	(1.2)	-14	(1.5)	40.5	(1.0)	-20	(1.6)	37.9	(1.2)	-15	(1.4)	39.1	(1.1)
	Macao (China)	9	(1.1)	56.9	(0.9)	24	(1.0)	67.1	(0.9)	-2	(1.4)	50.1	(1.0)	11	(1.0)	58.3	(0.9)
	Montenegro	-15	(1.2)	39.2	(1.2)	-32	(1.5)	29.5	(1.1)	-26	(1.3)	33.1	(1.0)	-18	(1.2)	36.4	(1.1)
	Peru	-1	(1.6)	49.0	(1.4)	-7	(1.7)	44.5	(1.4)	-1	(1.8)	49.0	(1.3)	2	(1.5)	51.1	(1.5)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	-18	(2.3)	39.1	(1.5)	-25	(2.1)	35.4	(1.4)	-25	(2.8)	37.2	(1.6)	-22	(2.1)	36.5	(1.5)
	Singapore	15	(1.0)	60.3	(0.9)	32	(1.1)	70.4	(1.0)	11	(1.2)	57.0	(1.0)	16	(0.9)	61.4	(0.9)
	Chinese Taipei	-1	(2.0)	49.1	(1.5)	26	(2.0)	67.8	(1.3)	-8	(2.1)	45.1	(1.3)	5	(1.9)	53.7	(1.5)
	Thailand	-3	(2.0)	47.8	(1.6)	2	(2.0)	51.3	(1.6)	-5	(2.6)	47.1	(1.6)	2	(1.9)	51.6	(1.5)
	Tunisia	-29	(1.6)	26.7	(1.2)	-15	(2.2)	38.4	(1.6)	-23	(2.0)	33.7	(1.3)	-18	(1.7)	35.3	(1.5)
	United Arab Emirates	-16	(1.4)	38.5	(1.1)	-17	(1.8)	38.1	(1.4)	-14	(1.8)	40.8	(1.2)	-14	(1.5)	39.6	(1.3)
	Uruguay	-7	(1.4)	44.6	(1.2)	-12	(1.8)	42.2	(1.3)	0	(1.9)	50.0	(1.3)	-6	(1.5)	45.7	(1.2)
	Malaysia**	-16	(1.8)	36.9	(1.5)	-10	(2.0)	42.4	(1.5)	-23	(2.3)	33.6	(1.7)	-13	(1.7)	39.6	(1.5)

1. Relative scores are the residuals obtained from a pooled linear regression, across all participating countries/economies, of performance in collaborative problem solving over performance in science, reading and/or mathematics.

2. Students who score higher than expected are those with positive relative scores.

3. The percentage of students who score higher than expected is bolded when it differs significantly from 50%.

4. Top performers in science, reading or mathematics are those who attain Level 5 or above in those subjects.

5. Low achievers in science, reading or mathematics are those who attain below Level 2 in those subjects.

Notes: Students in PISA 2015 completed four clusters of test material: two in science and two distributed among reading, mathematics and collaborative problem solving. Hence, no student completed all four of science, reading, mathematics and collaborative problem solving. Scores were imputed in the domains in which students were not tested.

Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616769>

[Part 2/2]

Table V.3.9a Relative performance in collaborative problem solving

Based on residual scores after accounting for performance in the core PISA subjects in regressions involving all OECD and partner countries/economies

		Relative performance in collaborative problem solving based on performance among top performers ⁴ in...									Relative performance in collaborative problem solving based on performance among low achievers ⁵ in...														
		Science			Reading			Mathematics			Science			Reading			Mathematics								
		Average relative score ¹		Percentage of students who score higher than expected ^{2,3}	Average relative score		Percentage of students who score higher than expected	Average relative score		Percentage of students who score higher than expected	Average relative score		Percentage of students who score higher than expected	Average relative score		Percentage of students who score higher than expected	Average relative score		Percentage of students who score higher than expected						
		Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.				
OECD	Australia	11	(3.3)	56.7	(2.3)	22	(3.3)	62.8	(2.1)	30	(3.8)	66.4	(2.1)	19	(2.8)	59.5	(2.0)	20	(2.4)	60.0	(1.6)	22	(2.9)	60.3	(1.8)
	Austria	2	(3.8)	52.1	(3.3)	13	(4.8)	58.2	(4.0)	4	(4.4)	52.5	(3.0)	11	(3.1)	58.0	(2.2)	20	(3.2)	62.8	(2.3)	8	(3.7)	54.0	(2.1)
	Belgium	-15	(3.2)	39.8	(2.5)	-7	(3.5)	45.6	(2.8)	-12	(3.2)	42.8	(2.1)	1	(2.5)	51.0	(1.9)	1	(3.0)	50.8	(1.8)	-10	(2.9)	44.2	(2.0)
	Canada	15	(3.6)	58.6	(2.4)	20	(3.1)	61.7	(2.0)	21	(3.7)	61.3	(1.9)	2	(3.1)	50.8	(2.3)	0	(3.8)	49.4	(2.3)	9	(2.8)	53.7	(1.9)
	Chile	-26	(7.2)	30.3	(6.4)	-28	(5.4)	30.0	(4.9)	-15	(8.4)	38.4	(7.5)	2	(2.6)	51.2	(2.2)	-8	(2.4)	43.5	(2.1)	14	(2.4)	59.3	(2.0)
	Czech Republic	-24	(4.6)	34.0	(3.8)	-20	(4.3)	37.9	(3.2)	-13	(4.3)	42.2	(3.1)	10	(3.1)	56.5	(2.9)	18	(3.7)	60.3	(2.6)	4	(3.6)	51.4	(2.4)
	Denmark	3	(4.3)	53.1	(3.3)	12	(6.3)	58.8	(4.2)	8	(3.6)	56.3	(2.8)	18	(2.8)	62.5	(2.6)	19	(3.1)	62.2	(2.4)	4	(4.0)	52.5	(2.8)
	Estonia	3	(3.2)	53.1	(2.9)	15	(4.1)	61.0	(3.1)	21	(4.3)	64.0	(3.7)	4	(4.4)	53.7	(3.7)	17	(4.0)	62.3	(3.0)	8	(4.0)	54.6	(2.9)
	Finland	7	(3.4)	54.0	(2.8)	16	(4.7)	59.7	(3.3)	35	(4.9)	70.6	(3.6)	-1	(4.2)	49.3	(3.2)	4	(4.9)	52.5	(3.2)	-1	(4.4)	49.5	(3.3)
	France	-16	(4.5)	40.1	(3.0)	-28	(5.0)	33.9	(2.8)	-12	(4.3)	43.1	(2.5)	-1	(3.2)	49.7	(2.5)	5	(3.3)	52.8	(2.3)	-7	(3.1)	45.2	(2.0)
	Germany	8	(3.6)	54.9	(2.4)	9	(3.9)	55.2	(3.0)	22	(3.8)	63.4	(2.6)	19	(3.6)	60.5	(2.6)	21	(4.3)	60.6	(2.5)	11	(4.0)	54.8	(2.6)
	Greece	-18	(7.9)	36.5	(6.2)	-31	(4.5)	29.2	(4.5)	-15	(6.2)	40.3	(5.5)	-6	(3.5)	45.9	(2.6)	-11	(3.8)	42.3	(2.7)	-12	(3.7)	43.1	(2.3)
	Hungary	-15	(5.1)	39.4	(4.9)	-12	(5.7)	41.8	(4.6)	-18	(4.7)	38.2	(3.7)	-13	(3.0)	40.6	(2.4)	-9	(3.6)	43.9	(2.5)	-17	(3.0)	38.9	(1.7)
	Iceland	6	(9.9)	54.1	(8.7)	3	(6.8)	52.0	(5.2)	0	(6.2)	50.0	(5.6)	20	(3.4)	62.3	(2.4)	20	(3.6)	61.7	(2.7)	8	(4.6)	54.2	(3.0)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	-16	(4.4)	39.3	(3.2)	-24	(4.4)	35.0	(3.2)	-13	(5.4)	42.9	(3.4)	-4	(3.4)	44.5	(2.6)	-8	(3.3)	42.6	(2.2)	-14	(3.4)	39.0	(2.2)
	Italy	-19	(5.8)	38.2	(4.7)	-29	(5.2)	33.0	(4.2)	-34	(4.0)	30.9	(2.5)	-4	(4.2)	47.3	(2.8)	-5	(4.2)	47.6	(2.5)	-11	(4.6)	43.8	(3.0)
	Japan	-8	(3.6)	43.6	(2.9)	18	(4.2)	63.3	(3.0)	7	(3.4)	55.2	(2.7)	36	(5.1)	72.8	(2.9)	48	(4.1)	77.9	(2.5)	35	(5.6)	70.1	(3.2)
	Korea	-5	(4.1)	45.2	(3.6)	2	(3.6)	51.6	(3.6)	-6	(3.6)	47.1	(2.7)	36	(3.7)	73.4	(2.3)	35	(3.4)	73.5	(2.5)	33	(3.8)	70.1	(2.4)
	Latvia	-12	(6.2)	41.3	(5.3)	-11	(7.7)	43.2	(7.1)	-5	(5.8)	46.8	(4.6)	-13	(3.5)	41.0	(3.0)	-10	(3.9)	43.0	(3.1)	-9	(4.6)	44.1	(3.8)
	Luxembourg	-8	(5.9)	44.5	(4.1)	-2	(6.6)	47.8	(4.6)	1	(5.5)	49.5	(4.0)	5	(2.5)	53.0	(1.8)	8	(2.7)	55.1	(1.7)	-8	(3.1)	44.8	(2.2)
	Mexico	-26	(15.2)	26.7	(19.1)	-18	(14.6)	34.4	(14.2)	-19	(14.6)	39.0	(14.5)	-4	(2.2)	46.4	(1.6)	-11	(2.6)	41.8	(1.7)	-1	(2.3)	49.4	(1.6)
	Netherlands	-6	(4.5)	46.3	(3.5)	12	(4.1)	57.7	(3.2)	12	(3.7)	58.7	(2.7)	18	(3.7)	60.5	(2.4)	16	(3.3)	58.9	(2.5)	2	(4.4)	50.6	(3.1)
	New Zealand	11	(4.0)	57.4	(2.8)	19	(4.7)	61.1	(3.3)	35	(4.2)	69.5	(2.8)	17	(4.2)	59.5	(2.5)	21	(4.2)	61.6	(2.7)	22	(4.0)	60.4	(2.4)
	Norway	-15	(5.2)	39.7	(3.8)	-22	(4.0)	36.8	(3.0)	-2	(4.7)	49.0	(3.4)	12	(3.5)	56.9	(2.7)	3	(4.3)	51.1	(2.8)	-5	(3.5)	47.0	(2.3)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	-17	(4.5)	37.2	(3.6)	-11	(4.5)	42.5	(3.6)	-16	(3.7)	40.2	(2.9)	-3	(3.7)	48.1	(2.7)	-1	(3.7)	48.3	(2.4)	8	(3.3)	55.1	(2.5)
	Slovak Republic	-33	(6.6)	31.2	(4.3)	-18	(6.9)	38.1	(5.8)	-37	(4.1)	29.4	(2.8)	4	(2.7)	52.4	(2.1)	8	(2.7)	53.7	(1.6)	-14	(2.9)	41.4	(1.9)
Slovenia	-31	(5.0)	30.8	(3.4)	-11	(4.1)	42.8	(3.8)	-16	(4.8)	40.9	(4.1)	-2	(3.3)	48.5	(2.8)	0	(3.2)	48.9	(2.4)	-8	(3.4)	44.8	(2.4)	
Spain	-17	(5.5)	38.5	(4.4)	-16	(6.1)	40.6	(5.9)	-11	(4.3)	44.1	(4.1)	6	(3.0)	53.9	(2.2)	2	(3.0)	50.5	(2.3)	7	(3.3)	54.2	(2.4)	
Sweden	-3	(4.5)	48.4	(4.0)	5	(4.1)	53.2	(2.9)	14	(5.5)	59.6	(4.2)	20	(3.5)	61.7	(2.3)	9	(3.8)	55.1	(2.6)	6	(3.1)	52.4	(2.0)	
Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
Turkey	-45	(18.0)	18.0	(14.0)	-52	(13.1)	14.8	(11.4)	-55	(10.4)	14.4	(7.3)	-17	(2.2)	37.2	(2.0)	-19	(2.9)	35.8	(2.2)	-17	(2.5)	38.2	(1.9)	
United Kingdom	6	(3.6)	53.5	(2.7)	20	(5.5)	62.2	(3.9)	22	(5.1)	63.2	(2.9)	12	(3.2)	56.2	(2.5)	15	(3.8)	58.2	(2.5)	19	(3.4)	60.1	(2.2)	
United States	36	(4.9)	73.7	(3.7)	37	(4.3)	72.3	(2.8)	70	(8.4)	86.5	(3.6)	6	(3.4)	52.7	(2.4)	7	(3.2)	53.5	(2.6)	20	(3.6)	60.2	(2.2)	
OECD average	-8	(1.1)	44.1	(1.0)	-4	(1.0)	47.4	(0.9)	0	(1.0)	49.9	(0.8)	7	(0.6)	53.7	(0.4)	7	(0.6)	53.8	(0.4)	3	(0.6)	51.3	(0.4)	
Partners	Brazil	-31	(8.3)	29.7	(5.9)	-47	(7.3)	22.7	(5.1)	-28	(11.4)	33.8	(7.5)	-6	(1.4)	44.8	(1.2)	-11	(2.0)	41.6	(1.4)	3	(1.9)	51.1	(1.4)
	B-S-J-G (China)	-30	(3.9)	29.8	(2.7)	-17	(5.2)	39.4	(4.5)	-36	(3.6)	28.0	(2.1)	-11	(4.0)	42.7	(3.0)	10	(3.5)	55.5	(2.5)	-21	(4.3)	37.0	(3.1)
	Bulgaria	-24	(6.9)	33.9	(5.5)	-30	(6.8)	31.1	(5.3)	-25	(5.9)	34.9	(3.8)	-15	(2.1)	38.4	(1.8)	1	(2.0)	49.8	(1.7)	-18	(2.8)	37.8	(1.9)
	Colombia	-7	(13.8)	47.4	(12.5)	-27	(8.8)	29.1	(7.1)	16	(20.3)	65.7	(16.8)	-7	(1.7)	44.2	(1.8)	-10	(1.9)	42.3	(1.7)	5	(1.5)	53.0	(1.3)
	Costa Rica	4	(30.1)	49.9	(20.9)	-29	(12.2)	30.5	(9.8)	-20	(26.1)	38.7	(15.9)	7	(2.3)	54.3	(2.0)	2	(2.9)	50.6	(2.0)	15	(2.7)	58.6	(1.7)
	Croatia	-32	(5.9)	29.6	(4.2)	-30	(4.6)	30.1	(4.1)	-21	(5.0)	36.1	(3.6)	-4	(2.7)	47.5	(2.1)	-16	(3.0)	39.1	(2.5)	0	(3.3)	49.9	(2.1)
	Cyprus*	-22	(10.2)	36.6	(9.0)	-40	(7.4)	26.8	(5.2)	-36	(9.0)	30.3	(5.6)	2	(2.6)	50.8	(1.8)	-2	(2.8)	48.1	(2.1)	-5	(2.2)	46.5	(1.5)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	19	(4.2)	63.3	(3.3)	14	(4.1)	59.9	(3.3)	-12	(3.3)	43.5	(2.3)	13	(5.1)	58.1	(4.0)	14	(5.4)	58.9	(3.3)	11	(6.1)	56.2	(4.2)
	Lithuania	-22	(6.4)	33.6	(4.7)	-28	(6.4)	29.9	(3.9)	-20	(4.3)	35.7	(3.9)	-14	(2.9)	39.9	(2.7)	-8	(2.5)	44.8	(2.0)	-21	(2.5)	36.3	(2.0)
	Macao (China)	9	(3.3)	56.8	(2.8)	30	(4.1)	73.9	(3.2)	-6	(2.9)	47.9	(2.1)	-5	(4.6)	45.9	(3.4)	8	(3.5)	54.6	(3.0)	-3	(6.7)	48.5	(3.9)
	Montenegro	-57	(13.8)	11.9	(8.8)	-71	(12.1)	10.8	(5.8)	-65	(9.6)	14.7	(5.8)	-8	(1.4)	43.7	(1.4)	-17	(1.7)	37.9	(1.6)	-18	(2.0)	37.8	(1.6)
	Peru	0	(20.6)	51.6	(22.5)	-17	(13.4)	39.0	(15.1)	-7	(13.9)	46.3	(12.8)	-5	(1.9)	45.6	(1.8)	-6	(1.8)	45.1	(1.6)	-2	(1.7)	47.9	(1.4)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	-24	(6.8)	36.4	(4.8)	-33	(5.9)	31.1	(4.6)	-45	(5.7)	27.7	(3.3)	-14	(3.7)	40.7	(2.6)	-17	(3.3)	39.6	(2.4)	-10	(5.1)	44.6	(2.6)
	Singapore	4	(2.3)	53.2	(2.1)	27	(3.3)	68.6	(2.3)	9	(2.2)	56.3	(1.8)	20	(2.8)	63.1	(2.3)	26	(4.6)	65.3	(2.8)	6	(5.1)	52.3	(3.2)
	Chinese Taipei	-18	(3.7)	37.2	(2.7)	21	(4.4)	66.0	(3.4)	-24	(3.0)	35.0	(1.8)	13	(2.9)	58.2	(2.3)	28	(3.2)	67.6	(2.2)	9	(3.4)	54.8	(2.5)
	Thailand	4	(13.3)	52.8	(12.8)	5	(17.9)	54.5	(14.2)	-18	(10.3)	39.1	(7.4)	-5	(2.2)	45.9	(2.0)	-1	(2.2)	49.1	(1.9)	-1	(2.6)	48.8	(1.8)
Tunisia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
United Arab Emirates	-23	(5.3)	33.0	(4.2)	-20	(4.8)	37.0	(3.7)	-18	(6.4)	38.6	(4.4)	-14	(1.7)	39.1	(1.6)	-12	(2.1)	40.5	(1.9)	-15	(2.2)	39.8	(1.5)	
Uruguay	-11	(8.8)	40.8	(7.2)	-31	(9.5)	30.5	(6.2)	-7	(7.8)	45.7	(6.6)	-9	(1.7)	43.2	(1.4)	-6	(2.2)	46.0	(1.9)	-2	(3.2)	48.2	(1.6)	
Malaysia**	-26	(11.9)	30.1	(10.3)	-20	(18.0)	34.2	(15.0)	-33	(7															

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Table V.3.10a Index of ICT use at school*Results based on students' self-reports*

		Percentage of students who use digital devices for the following activities at school at least once or twice a week:																			
		Index of ICT use at school		Chatting on line at school		Using e-mail at school		Browsing the Internet for schoolwork		Downloading, uploading or browsing material from the school's website (e.g. Intranet)		Posting work on the school's website		Playing simulations at school		Practicing and drilling, such as for foreign language learning or mathematics		Doing homework on a school computer		Using school computers for group work and communication with other students	
Mean index		S.E.		%		S.E.		%		S.E.		%		S.E.		%		S.E.		%	
OECD	Australia	0.56	(0.01)	36.1	(0.6)	60.8	(0.8)	79.7	(0.5)	44.3	(0.9)	21.9	(0.7)	16.4	(0.4)	31.8	(0.6)	56.4	(0.8)	45.7	(0.8)
	Austria	0.11	(0.02)	55.0	(0.8)	29.6	(1.1)	54.9	(1.0)	25.7	(1.0)	17.5	(0.9)	14.7	(0.8)	28.4	(0.7)	20.8	(0.9)	22.3	(0.9)
	Belgium	-0.20	(0.02)	29.2	(0.9)	19.7	(0.8)	33.1	(0.8)	22.3	(0.6)	20.3	(0.6)	10.7	(0.5)	19.2	(0.5)	16.2	(0.6)	17.9	(0.6)
	Canada	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Chile	0.14	(0.02)	47.1	(1.0)	23.2	(1.0)	50.5	(1.0)	23.4	(0.7)	13.2	(0.7)	12.1	(0.6)	26.7	(0.7)	35.8	(1.5)	32.3	(1.3)
	Czech Republic	0.27	(0.02)	63.7	(1.0)	39.1	(1.0)	54.3	(0.9)	36.5	(0.9)	15.7	(0.7)	17.6	(0.8)	33.4	(0.8)	21.5	(0.7)	36.4	(0.8)
	Denmark	0.74	(0.01)	75.9	(0.7)	33.7	(1.0)	86.7	(0.6)	52.6	(1.1)	34.4	(1.1)	20.7	(0.7)	50.2	(0.9)	65.2	(1.1)	40.3	(1.1)
	Estonia	-0.11	(0.02)	26.1	(0.7)	31.1	(0.7)	44.0	(0.8)	23.2	(0.7)	11.1	(0.5)	13.2	(0.5)	19.4	(0.6)	14.5	(0.6)	16.3	(0.6)
	Finland	0.11	(0.01)	76.3	(0.7)	35.4	(0.7)	47.7	(1.0)	18.2	(0.8)	13.1	(0.7)	13.1	(0.7)	14.8	(0.8)	9.5	(0.7)	16.6	(0.7)
	France	0.02	(0.02)	28.3	(0.8)	20.4	(0.9)	40.5	(1.0)	22.6	(0.7)	16.2	(0.7)	17.9	(0.7)	24.3	(0.8)	19.6	(0.7)	24.1	(0.8)
	Germany	-0.42	(0.02)	21.1	(0.7)	8.1	(0.4)	31.6	(0.8)	8.6	(0.5)	5.7	(0.4)	6.7	(0.4)	13.9	(0.8)	7.0	(0.5)	12.3	(0.7)
	Greece	0.02	(0.03)	38.1	(1.1)	25.5	(0.9)	39.1	(0.8)	24.7	(1.0)	20.5	(1.0)	21.2	(1.0)	25.0	(1.0)	31.5	(0.9)	32.7	(0.9)
	Hungary	-0.04	(0.02)	51.4	(1.1)	21.1	(0.9)	40.0	(0.8)	24.6	(0.9)	18.8	(0.8)	18.6	(0.8)	27.4	(0.8)	18.6	(0.8)	24.1	(0.8)
	Iceland	0.15	(0.02)	55.8	(0.8)	23.9	(0.8)	58.0	(0.8)	22.6	(0.7)	9.9	(0.5)	11.8	(0.6)	35.0	(0.9)	24.6	(0.7)	27.3	(0.8)
	Ireland	-0.38	(0.03)	28.4	(1.0)	20.1	(1.2)	29.2	(1.0)	8.7	(0.5)	4.7	(0.5)	5.4	(0.4)	15.6	(0.7)	12.7	(0.8)	16.5	(0.6)
	Israel	-0.10	(0.03)	20.5	(0.9)	21.1	(0.9)	37.3	(1.3)	23.8	(0.9)	17.7	(0.8)	17.5	(0.8)	29.2	(1.0)	21.9	(0.8)	21.2	(0.8)
	Italy	0.00	(0.02)	46.6	(0.9)	18.0	(0.8)	45.6	(1.1)	25.3	(0.9)	17.0	(0.8)	19.8	(0.8)	31.5	(0.9)	19.6	(0.8)	23.4	(0.8)
	Japan	-1.05	(0.02)	17.5	(1.2)	6.4	(0.5)	13.3	(0.7)	3.0	(0.3)	2.5	(0.3)	6.7	(0.4)	5.9	(0.4)	2.6	(0.4)	3.7	(0.3)
	Korea	-0.95	(0.03)	13.8	(0.8)	7.9	(0.7)	16.6	(1.1)	8.5	(0.9)	5.5	(0.6)	5.4	(0.4)	9.4	(0.6)	8.8	(0.9)	8.0	(0.8)
	Latvia	0.16	(0.02)	57.9	(1.0)	32.4	(0.8)	49.1	(0.9)	31.5	(0.8)	15.9	(0.7)	23.2	(0.7)	34.8	(0.9)	17.4	(0.7)	23.7	(0.8)
	Luxembourg	-0.04	(0.01)	37.0	(0.7)	25.7	(0.6)	39.5	(0.7)	19.7	(0.5)	17.1	(0.5)	16.0	(0.5)	23.7	(0.5)	22.9	(0.6)	25.2	(0.6)
	Mexico	-0.16	(0.03)	25.1	(0.9)	17.2	(0.8)	38.1	(1.2)	22.4	(1.0)	13.9	(0.8)	14.1	(0.8)	24.6	(0.8)	29.7	(1.1)	24.7	(0.9)
	Netherlands	0.44	(0.02)	60.0	(1.3)	34.7	(1.0)	74.5	(1.2)	44.4	(1.1)	20.2	(0.7)	15.8	(0.5)	45.8	(1.0)	36.5	(1.2)	35.6	(0.9)
	New Zealand	0.42	(0.02)	49.3	(1.2)	56.8	(1.5)	71.9	(1.1)	36.2	(1.2)	18.4	(1.1)	15.8	(0.9)	25.7	(1.0)	43.4	(1.1)	36.2	(1.2)
	Norway	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Poland	-0.21	(0.03)	28.0	(0.9)	17.2	(0.7)	44.5	(1.1)	22.9	(0.8)	11.8	(0.7)	12.4	(0.6)	29.1	(0.9)	14.5	(0.7)	17.8	(0.8)
	Portugal	0.08	(0.02)	49.5	(1.0)	37.9	(0.8)	40.6	(1.1)	28.4	(0.8)	15.0	(0.7)	18.2	(0.7)	27.8	(0.8)	20.3	(0.8)	27.6	(0.9)
	Slovak Republic	0.22	(0.02)	51.9	(1.0)	31.6	(0.8)	46.2	(0.8)	29.5	(0.8)	23.9	(0.8)	22.1	(0.8)	35.0	(0.9)	22.7	(0.8)	27.0	(0.9)
	Slovenia	0.02	(0.01)	47.4	(0.8)	34.5	(0.8)	42.4	(0.8)	26.3	(0.7)	17.0	(0.6)	18.5	(0.6)	22.1	(0.7)	18.0	(0.6)	22.5	(0.7)
	Spain	-0.04	(0.02)	26.8	(1.0)	25.5	(1.0)	44.2	(1.2)	22.3	(1.0)	14.9	(1.0)	12.2	(0.6)	25.1	(0.9)	20.7	(1.1)	26.8	(1.0)
	Sweden	0.52	(0.02)	50.6	(1.1)	47.8	(1.3)	81.6	(1.1)	38.5	(1.4)	27.0	(1.2)	17.9	(0.9)	42.2	(1.4)	34.1	(1.5)	37.2	(1.3)
	Switzerland	-0.12	(0.02)	33.1	(1.2)	25.3	(1.0)	37.0	(0.8)	17.4	(0.9)	12.3	(0.8)	10.5	(0.7)	23.2	(0.9)	13.9	(0.7)	18.2	(0.7)
	Turkey	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	United Kingdom ¹	0.29	(0.02)	30.2	(1.2)	47.3	(1.9)	69.0	(0.9)	29.3	(1.2)	11.1	(0.8)	10.3	(0.6)	27.8	(1.1)	44.2	(1.3)	28.0	(1.0)
	United States	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	OECD average	0.01	(0.00)	41.2	(0.2)	28.4	(0.2)	47.8	(0.2)	25.4	(0.2)	15.6	(0.1)	14.7	(0.1)	26.7	(0.1)	24.0	(0.2)	24.9	(0.2)
Partners	Brazil	-0.14	(0.02)	29.4	(0.8)	19.5	(0.6)	39.9	(0.8)	24.3	(0.8)	15.3	(0.5)	18.1	(0.5)	29.0	(0.7)	18.9	(0.6)	22.4	(0.6)
	B-S-J-G (China)	-0.65	(0.02)	26.8	(1.1)	7.0	(0.4)	17.0	(0.6)	11.5	(0.6)	6.0	(0.5)	10.4	(0.6)	24.8	(0.8)	7.9	(0.5)	12.6	(0.6)
	Bulgaria	0.39	(0.03)	60.9	(0.8)	34.4	(0.9)	52.2	(0.9)	33.8	(1.1)	28.8	(1.0)	27.7	(1.0)	45.6	(0.9)	31.4	(1.1)	38.1	(1.0)
	Colombia	0.18	(0.02)	36.5	(1.1)	32.9	(0.9)	51.8	(1.1)	31.1	(0.9)	23.5	(0.8)	22.0	(0.7)	36.5	(0.8)	30.4	(0.8)	32.7	(0.9)
	Costa Rica	0.11	(0.02)	51.9	(1.0)	26.8	(1.0)	55.3	(1.0)	27.0	(0.8)	15.6	(0.8)	12.9	(0.6)	37.7	(0.9)	27.8	(0.9)	28.0	(0.9)
	Croatia	-0.16	(0.02)	49.7	(0.9)	20.7	(0.8)	37.8	(0.9)	20.6	(0.8)	13.4	(0.7)	14.9	(0.7)	24.5	(0.7)	16.0	(0.8)	21.1	(0.7)
	Cyprus*	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Dominican Republic	-0.12	(0.03)	16.2	(0.8)	12.9	(0.8)	38.7	(1.1)	23.2	(0.9)	18.4	(0.8)	21.4	(0.9)	34.2	(1.0)	26.8	(1.0)	25.6	(1.0)
	Hong Kong (China)	-0.20	(0.03)	23.0	(0.8)	21.0	(0.8)	32.5	(1.0)	25.7	(1.1)	11.6	(0.7)	19.8	(0.9)	19.3	(0.8)	20.8	(1.0)	17.8	(1.0)
	Lithuania	-0.02	(0.02)	19.2	(0.7)	31.4	(0.8)	40.7	(0.8)	25.2	(0.8)	18.0	(0.7)	20.2	(0.7)	34.7	(0.8)	20.2	(0.7)	23.2	(0.8)
	Macao (China)	-0.09	(0.01)	21.5	(0.5)	12.3	(0.5)	30.1	(0.7)	24.0	(0.6)	32.0	(0.6)	10.7	(0.4)	19.1	(0.5)	22.2	(0.6)	18.7	(0.5)
	Montenegro	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Peru	-0.26	(0.02)	16.1	(0.8)	10.9	(0.7)	34.0	(1.0)	16.3	(0.7)	9.6	(0.6)	14.7	(0.5)	24.2	(0.8)	19.6	(0.8)	17.2	(0.8)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	0.12	(0.03)	35.2	(1.1)	29.1	(1.0)	44.5	(1.1)	31.8	(1.2)	25.7	(1.1)	26.5	(1.1)	38.7	(1.1)	31.0	(1.1)	33.6	(0.9)
	Singapore	0.01	(0.03)	45.3	(0.8)	29.7	(1.4)	45.9	(1.2)	24.2	(0.9)	14.1	(0.9)	12.8	(0.5)	24.0	(0.9)	21.5	(0.8)	22.4	(0.9)
	Chinese Taipei	-0.39	(0.02)	35.1	(1.1)	12.9	(0.6)	26.0	(0.9)	17.7	(0.8)	4.4	(0.3)	10.9	(0.5)	13.9	(0.6)	17.1	(0.8)	12.9	(0.7)
	Thailand	0.62	(0.02)	58.3	(1.1)	44.7	(1.2)	67.5	(0.9)	54.1	(0.9)	46.7	(1.2)	37.5	(0.9)	50.1	(0.9)	46.7	(0.9)	50.3	(0.9)
	Tunisia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	United Arab Emirates	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
Uruguay	0.16	(0.02)	42.7	(0.9)	23.8	(1.2)	53.6	(0.8)	36.0	(0.8)	23.9	(0.9)	22.8	(0.8)	33.1	(0.7)	29.2	(0.9)	29.8	(0.9)	
Malaysia**	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	

1. Only the United Kingdom subnational entities of England, Northern Ireland and Wales participated in the ICT questionnaire.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.3.10b Index of students' self-reported ICT competence*Results based on students' self-reports*

		Index of students' self-reported ICT competence	Percentage of students who agreed/strongly agreed with the following statements:							
			I feel comfortable using digital devices that I am less familiar with		If my friends and relatives want to buy new digital devices or applications, I can give them advice		I feel comfortable using my digital devices at home		When I come across problems with digital devices, I can solve them	
			%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	0.21 (0.01)	72.0	(0.5)	78.1	(0.5)	96.0	(0.2)	82.6	(0.4)
	Austria	-0.08 (0.02)	44.7	(0.9)	61.0	(0.8)	86.2	(0.6)	71.5	(0.7)
	Belgium	0.05 (0.01)	71.0	(0.6)	74.3	(0.5)	93.6	(0.3)	75.5	(0.5)
	Canada	m m	m m	m m	m m	m m	m m	m m	m m	m m
	Chile	0.09 (0.01)	71.4	(0.6)	73.9	(0.7)	91.1	(0.4)	77.9	(0.7)
	Czech Republic	-0.10 (0.01)	74.1	(0.7)	69.9	(0.6)	91.2	(0.4)	69.5	(0.7)
	Denmark	0.25 (0.02)	81.5	(0.6)	79.9	(0.6)	96.7	(0.3)	83.0	(0.5)
	Estonia	-0.05 (0.01)	66.8	(0.7)	69.9	(0.6)	92.0	(0.5)	76.5	(0.7)
	Finland	-0.08 (0.01)	47.2	(0.8)	77.4	(0.5)	93.0	(0.4)	76.0	(0.6)
	France	0.23 (0.01)	78.0	(0.7)	78.5	(0.6)	94.0	(0.4)	76.3	(0.6)
	Germany	-0.05 (0.01)	65.6	(0.6)	65.6	(0.6)	86.2	(0.6)	71.1	(0.6)
	Greece	0.05 (0.01)	66.2	(0.8)	78.0	(0.8)	90.2	(0.6)	74.3	(0.7)
	Hungary	0.07 (0.02)	77.8	(0.7)	69.6	(0.9)	89.9	(0.5)	79.0	(0.6)
	Iceland	-0.01 (0.02)	47.2	(1.0)	76.3	(0.8)	91.8	(0.5)	80.2	(0.6)
	Ireland	0.21 (0.01)	71.1	(0.8)	80.7	(0.6)	97.3	(0.2)	83.1	(0.6)
	Israel	-0.02 (0.02)	64.5	(0.8)	69.4	(1.2)	86.4	(0.6)	74.3	(1.0)
	Italy	-0.02 (0.01)	62.8	(0.6)	76.1	(0.6)	89.7	(0.5)	76.2	(0.6)
	Japan	-0.94 (0.02)	48.3	(0.8)	40.8	(0.6)	57.2	(0.7)	29.8	(0.6)
	Korea	-0.57 (0.02)	51.6	(0.7)	51.6	(0.9)	87.8	(0.5)	52.5	(0.9)
	Latvia	-0.13 (0.01)	53.0	(0.8)	73.7	(0.7)	86.1	(0.6)	75.5	(0.7)
	Luxembourg	0.01 (0.02)	61.6	(0.7)	65.8	(0.8)	87.2	(0.5)	74.3	(0.7)
	Mexico	-0.09 (0.02)	71.1	(0.8)	69.2	(0.6)	77.3	(0.8)	71.1	(0.7)
	Netherlands	-0.04 (0.01)	63.7	(0.7)	72.8	(0.6)	93.5	(0.4)	78.1	(0.6)
	New Zealand	0.21 (0.02)	76.1	(0.7)	79.2	(0.8)	96.0	(0.4)	83.6	(0.7)
	Norway	m m	m m	m m	m m	m m	m m	m m	m m	m m
	Poland	0.02 (0.01)	74.8	(0.7)	69.7	(0.7)	91.9	(0.5)	81.2	(0.7)
	Portugal	0.39 (0.01)	83.5	(0.5)	86.6	(0.5)	96.6	(0.3)	87.3	(0.5)
	Slovak Republic	-0.13 (0.02)	68.6	(0.8)	67.7	(0.7)	86.6	(0.5)	72.1	(0.6)
	Slovenia	0.06 (0.02)	75.8	(0.7)	69.7	(0.8)	93.1	(0.4)	79.2	(0.6)
	Spain	0.15 (0.01)	72.0	(0.7)	77.4	(0.5)	93.8	(0.5)	77.6	(0.7)
	Sweden	0.27 (0.02)	76.5	(0.8)	78.5	(0.7)	94.3	(0.4)	82.8	(0.6)
	Switzerland	0.05 (0.02)	61.5	(1.0)	67.4	(0.9)	90.2	(0.6)	75.1	(0.8)
	Turkey	m m	m m	m m	m m	m m	m m	m m	m m	m m
	United Kingdom ¹	0.34 (0.02)	77.1	(0.7)	84.4	(0.6)	96.9	(0.4)	85.8	(0.6)
	United States	m m	m m	m m	m m	m m	m m	m m	m m	m m
	OECD average	0.01 (0.00)	67.0	(0.1)	72.0	(0.1)	90.1	(0.1)	75.3	(0.1)
Partners	Brazil	-0.01 (0.02)	68.3	(0.6)	78.4	(0.6)	89.0	(0.5)	73.3	(0.7)
	B-S-J-G (China)	-0.50 (0.01)	32.6	(0.8)	65.9	(0.8)	80.7	(0.8)	56.1	(0.8)
	Bulgaria	-0.01 (0.02)	64.4	(0.8)	75.8	(0.8)	86.2	(0.8)	75.0	(0.8)
	Colombia	-0.02 (0.02)	69.7	(0.7)	71.7	(0.6)	84.1	(0.6)	81.1	(0.7)
	Costa Rica	0.06 (0.02)	74.1	(0.5)	76.1	(0.7)	89.5	(0.5)	72.1	(0.6)
	Croatia	0.17 (0.01)	81.8	(0.6)	75.8	(0.6)	94.1	(0.4)	81.0	(0.5)
	Cyprus*	m m	m m	m m	m m	m m	m m	m m	m m	m m
	Dominican Republic	-0.05 (0.02)	58.5	(0.9)	72.5	(0.9)	82.4	(1.0)	70.5	(0.8)
	Hong Kong (China)	-0.07 (0.01)	71.3	(0.8)	70.1	(0.6)	91.8	(0.5)	83.0	(0.6)
	Lithuania	0.01 (0.02)	57.0	(0.8)	70.4	(0.7)	75.2	(0.7)	73.9	(0.7)
	Macao (China)	-0.16 (0.01)	68.4	(0.7)	71.7	(0.8)	92.6	(0.4)	74.8	(0.7)
	Montenegro	m m	m m	m m	m m	m m	m m	m m	m m	m m
	Peru	-0.27 (0.01)	67.9	(0.6)	66.6	(0.7)	82.8	(0.7)	62.2	(0.8)
	Qatar	m m	m m	m m	m m	m m	m m	m m	m m	m m
	Russia	-0.04 (0.01)	70.7	(0.7)	78.8	(0.6)	90.1	(0.6)	77.6	(0.6)
	Singapore	-0.01 (0.01)	61.5	(0.7)	67.7	(0.7)	95.9	(0.3)	78.4	(0.7)
	Chinese Taipei	-0.16 (0.01)	62.4	(0.6)	67.0	(0.6)	89.4	(0.4)	72.4	(0.6)
	Thailand	-0.25 (0.02)	67.5	(0.7)	73.5	(0.6)	76.7	(0.8)	69.5	(0.8)
	Tunisia	m m	m m	m m	m m	m m	m m	m m	m m	m m
	United Arab Emirates	m m	m m	m m	m m	m m	m m	m m	m m	m m
	Uruguay	0.07 (0.02)	68.8	(0.7)	77.2	(0.6)	86.7	(0.5)	77.1	(0.7)
	Malaysia**	m m	m m	m m	m m	m m	m m	m m	m m	m m

1. Only the United Kingdom subnational entities of England, Northern Ireland and Wales participated in the ICT questionnaire.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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Table V.3.11a Index of ICT use at school and performance in collaborative problem solving

		Index of ICT use at school										Performance in collaborative problem solving, by national quarter of the index of ICT use at school											
		All students		Variability of the index		Bottom quarter		Second quarter		Third quarter		Top quarter		Bottom quarter		Second quarter		Third quarter		Top quarter		Top – bottom quarter	
		Mean index	S.E.	S.D.	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Score dif.	S.E.
OECD	Australia	0.56 (0.01)		0.77 (0.01)		-0.35 (0.02)		0.42 (0.01)		0.78 (0.01)		1.40 (0.02)		520 (3.1)		543 (3.5)		553 (2.7)		534 (3.7)		14 (4.5)	
	Austria	0.11 (0.02)		0.88 (0.02)		-0.95 (0.02)		-0.09 (0.02)		0.35 (0.02)		1.14 (0.04)		516 (3.7)		532 (3.2)		526 (3.8)		486 (5.9)		-30 (6.8)	
	Belgium	-0.20 (0.02)		1.03 (0.01)		-1.54 (0.02)		-0.46 (0.03)		0.17 (0.02)		1.04 (0.02)		500 (3.3)		517 (3.5)		529 (3.9)		488 (3.9)		-12 (4.4)	
	Canada	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Chile	0.14 (0.02)		0.85 (0.02)		-0.93 (0.04)		0.00 (0.02)		0.39 (0.01)		1.10 (0.03)		465 (3.7)		483 (3.8)		468 (3.4)		429 (4.0)		-36 (4.4)	
	Czech Republic	0.27 (0.02)		1.03 (0.02)		-1.01 (0.04)		0.09 (0.02)		0.56 (0.01)		1.46 (0.04)		517 (3.0)		517 (3.2)		507 (3.2)		472 (4.6)		-46 (5.3)	
	Denmark	0.74 (0.01)		0.64 (0.02)		0.06 (0.02)		0.58 (0.01)		0.86 (0.01)		1.45 (0.02)		529 (3.7)		537 (4.1)		532 (4.0)		508 (4.1)		-21 (5.5)	
	Estonia	-0.11 (0.02)		0.98 (0.02)		-1.37 (0.02)		-0.31 (0.02)		0.19 (0.02)		1.04 (0.03)		542 (4.3)		560 (3.6)		550 (4.3)		500 (4.1)		-42 (6.1)	
	Finland	0.11 (0.01)		0.74 (0.02)		-0.70 (0.02)		-0.07 (0.01)		0.25 (0.01)		0.97 (0.04)		535 (4.2)		559 (3.9)		554 (4.2)		506 (4.1)		-29 (5.8)	
	France	0.02 (0.02)		0.94 (0.01)		-1.17 (0.03)		-0.15 (0.02)		0.29 (0.02)		1.10 (0.03)		499 (4.6)		525 (3.4)		515 (4.1)		480 (3.7)		-19 (5.1)	
	Germany	-0.42 (0.02)		0.77 (0.01)		-1.40 (0.02)		-0.59 (0.02)		-0.17 (0.01)		0.50 (0.03)		535 (3.7)		549 (3.5)		547 (4.1)		514 (5.1)		-22 (5.4)	
	Greece	0.02 (0.03)		1.17 (0.02)		-1.46 (0.03)		-0.28 (0.03)		0.35 (0.03)		1.46 (0.05)		483 (3.7)		496 (3.5)		470 (6.0)		415 (4.4)		-68 (4.5)	
	Hungary	-0.04 (0.02)		1.05 (0.02)		-1.35 (0.02)		-0.31 (0.03)		0.26 (0.02)		1.26 (0.04)		485 (3.7)		500 (3.7)		483 (4.3)		437 (3.9)		-48 (5.0)	
	Iceland	0.15 (0.02)		0.83 (0.02)		-0.85 (0.03)		0.00 (0.01)		0.37 (0.01)		1.09 (0.03)		503 (3.8)		521 (4.1)		513 (4.4)		478 (4.9)		-25 (6.0)	
	Ireland	-0.38 (0.03)		0.89 (0.01)		-1.54 (0.03)		-0.62 (0.03)		-0.05 (0.03)		0.68 (0.03)		m	m	m	m	m	m	m	m	m	m
	Israel	-0.10 (0.03)		1.12 (0.02)		-1.52 (0.03)		-0.39 (0.05)		0.25 (0.03)		1.27 (0.04)		488 (5.9)		516 (5.0)		491 (5.5)		428 (4.6)		-60 (7.0)	
	Italy	0.00 (0.02)		0.97 (0.02)		-1.23 (0.03)		-0.21 (0.02)		0.28 (0.02)		1.17 (0.03)		492 (3.8)		502 (4.3)		491 (3.4)		452 (4.5)		-40 (4.7)	
	Japan	-1.05 (0.02)		0.78 (0.02)		-1.67 (0.00)		-1.67 (0.00)		-0.92 (0.06)		0.04 (0.03)		548 (3.8)		547 (3.5)		559 (3.6)		562 (4.4)		14 (5.4)	
	Korea	-0.95 (0.03)		0.93 (0.02)		-1.67 (0.00)		-1.67 (0.00)		-0.89 (0.07)		0.41 (0.05)		545 (3.4)		546 (3.2)		545 (3.3)		521 (4.6)		-24 (5.2)	
	Latvia	0.16 (0.02)		0.96 (0.02)		-1.04 (0.03)		-0.02 (															

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[Part 2/2]

Table V.3.11a Index of ICT use at school and performance in collaborative problem solving*Results based on students' self-reports*

	Change in collaborative problem-solving performance per one-unit change on the index of ICT use at school				Increased likelihood of students in the bottom quarter of the index of ICT use at school scoring below Level 2 on the collaborative problem-solving scale (below 440 score points)		Increased likelihood of students in the top quarter of the index of ICT use at school scoring at Level 4 on the collaborative problem-solving scale (at or above 640 score points)	
	Before accounting for students' and schools' socio-economic profile ¹		After accounting for students' and schools' socio-economic profile					
	Score dif.	S.E.	Score dif.	S.E.	Relative risk	S.E.	Relative risk	S.E.
OECD	Australia	7 (2.2)	-5 (2.1)		1.36 (0.08)		1.14 (0.11)	
	Austria	-14 (2.4)	-10 (2.1)		0.96 (0.09)		0.57 (0.10)	
	Belgium	-6 (1.4)	-5 (1.2)		1.10 (0.09)		0.69 (0.10)	
	Canada	m	m		m		m	
	Chile	-16 (1.9)	-14 (1.6)		0.93 (0.06)		0.39 (0.20)	
	Czech Republic	-17 (1.8)	-15 (1.8)		0.71 (0.06)		0.37 (0.10)	
	Denmark	-14 (2.5)	-15 (2.4)		0.91 (0.10)		0.70 (0.12)	
	Estonia	-17 (2.0)	-17 (2.0)		0.91 (0.11)		0.43 (0.08)	
	Finland	-15 (2.6)	-18 (2.5)		1.02 (0.09)		0.56 (0.07)	
	France	-7 (2.0)	-7 (1.9)		1.11 (0.09)		0.53 (0.11)	
	Germany	-13 (2.7)	-8 (2.6)		0.95 (0.10)		0.73 (0.08)	
	Greece	-21 (1.2)	-18 (1.1)		0.74 (0.04)		0.17 (0.12)	
	Hungary	-19 (1.8)	-13 (1.7)		0.85 (0.05)		0.29 (0.12)	
	Iceland	-12 (2.4)	-13 (2.4)		0.98 (0.08)		0.60 (0.15)	
	Ireland	m	m		m		m	
	Israel	-21 (2.1)	-18 (1.9)		0.87 (0.07)		0.30 (0.09)	
	Italy	-15 (1.8)	-12 (1.6)		0.87 (0.06)		0.47 (0.12)	
	Japan	2 (3.1)	2 (2.6)		1.21 (0.15)		1.43 (0.15)	
	Korea	-13 (2.6)	-14 (1.8)		0.72 (0.07)		0.71 (0.12)	
	Latvia	-18 (1.9)	-17 (1.8)		0.74 (0.06)		0.36 (0.15)	
	Luxembourg	-18 (1.8)	-14 (1.6)		0.86 (0.06)		0.50 (0.10)	
	Mexico	1 (1.8)	-5 (1.4)		1.10 (0.05)		1.51 (1.01)	
	Netherlands	-10 (3.0)	-10 (2.4)		1.06 (0.09)		0.67 (0.12)	
	New Zealand	-13 (2.9)	-16 (2.6)		0.89 (0.10)		0.69 (0.10)	
	Norway	m	m		m		m	
	Poland	m	m		m		m	
	Portugal	-19 (1.7)	-14 (1.5)		0.72 (0.06)		0.29 (0.09)	
	Slovak Republic	-11 (1.9)	-9 (1.7)		0.92 (0.05)		0.21 (0.12)	
	Slovenia	-12 (2.0)	-9 (1.9)		0.96 (0.09)		0.36 (0.11)	
	Spain	-3 (1.9)	-4 (1.8)		1.15 (0.08)		0.78 (0.18)	
	Sweden	-17 (2.4)	-20 (2.2)		0.85 (0.08)		0.56 (0.11)	
	Switzerland	m	m		m		m	
	Turkey	m	m		m		m	
	United Kingdom ²	-8 (2.9)	-10 (2.8)		1.16 (0.11)		0.71 (0.09)	
	United States	m	m		m		m	
	OECD average-28	-12 (0.4)	-12 (0.4)		0.95 (0.02)		0.60 (0.04)	
	OECD average-31	m	m		m		m	
Partners	Brazil	-8 (1.6)	-11 (1.4)		0.93 (0.04)		0.66 (0.35)	
	B-S-J-G (China)	-16 (2.1)	-15 (1.6)		0.72 (0.05)		0.77 (0.19)	
	Bulgaria	-18 (1.7)	-12 (1.7)		0.72 (0.05)		0.09 (0.08)	
	Colombia	-5 (1.5)	-10 (1.3)		1.01 (0.04)		0.69 (0.41)	
	Costa Rica	-8 (1.8)	-10 (1.4)		0.99 (0.05)		0.36 (0.32)	
	Croatia	-15 (1.7)	-11 (1.6)		0.94 (0.06)		0.27 (0.13)	
	Cyprus*	m	m		m		m	
	Dominican Republic	m	m		m		m	
	Hong Kong (China)	-14 (1.7)	-14 (1.7)		0.87 (0.10)		0.46 (0.07)	
	Lithuania	-18 (1.5)	-16 (1.5)		0.86 (0.05)		0.15 (0.10)	
	Macao (China)	-1 (2.2)	-2 (2.2)		1.37 (0.16)		0.86 (0.11)	
	Montenegro	m	m		m		m	
	Peru	-14 (2.1)	-12 (1.7)		0.82 (0.04)		0.56 (0.38)	
	Qatar	m	m		m		m	
	Russia	-12 (1.6)	-12 (1.5)		0.87 (0.07)		0.38 (0.11)	
	Singapore	-8 (1.8)	-15 (2.2)		0.83 (0.11)		0.89 (0.07)	
	Chinese Taipei	2 (2.1)	0 (1.6)		1.23 (0.11)		1.06 (0.15)	
	Thailand	-9 (1.9)	-10 (1.7)		0.85 (0.04)		0.44 (0.20)	
	Tunisia	m	m		m		m	
	United Arab Emirates	m	m		m		m	
	Uruguay	-14 (1.8)	-14 (1.6)		0.86 (0.04)		0.29 (0.16)	
	Malaysia**	m	m		m		m	

1. Socio-economic profile is measured by the PISA index of economic, social and cultural status.

2. Only the United Kingdom subnational entities of England, Northern Ireland and Wales participated in the ICT questionnaire.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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Table V.3.11b Index of students' self-reported ICT competence and performance in collaborative problem solving

Results based on students' self-reports

		Index of students' self-reported ICT competence										Performance in collaborative problem solving, by national quarter of the index of students' self-reported ICT competence											
		All students		Variability of the index		Bottom quarter		Second quarter		Third quarter		Top quarter		Bottom quarter		Second quarter		Third quarter		Top quarter		Top – bottom quarter	
		Mean index	S.E.	S.D.	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Score dif.	S.E.
OECD	Australia	0.21 (0.01)		0.94 (0.01)		-0.92 (0.01)		-0.09 (0.01)		0.33 (0.01)		1.51 (0.02)		535 (3.3)		523 (3.3)		548 (3.2)		547 (3.7)		12 (5.2)	
	Austria	-0.08 (0.02)		1.07 (0.01)		-1.37 (0.02)		-0.51 (0.02)		0.21 (0.03)		1.36 (0.02)		504 (4.0)		520 (4.3)		519 (4.2)		520 (3.8)		16 (5.3)	
	Belgium	0.05 (0.01)		0.96 (0.01)		-1.07 (0.02)		-0.26 (0.01)		0.14 (0.01)		1.39 (0.03)		518 (3.3)		510 (3.5)		509 (3.2)		501 (3.5)		-17 (4.0)	
	Canada	m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		m m	
	Chile	0.09 (0.01)		0.96 (0.01)		-1.06 (0.02)		-0.22 (0.01)		0.23 (0.02)		1.39 (0.02)		451 (3.9)		464 (3.9)		463 (4.0)		474 (3.9)		23 (5.2)	
	Czech Republic	-0.10 (0.01)		0.96 (0.01)		-1.22 (0.02)		-0.45 (0.02)		0.07 (0.01)		1.19 (0.02)		498 (3.4)		503 (3.3)		504 (3.4)		510 (4.1)		12 (4.6)	
	Denmark	0.25 (0.02)		0.95 (0.01)		-0.88 (0.02)		-0.08 (0.01)		0.38 (0.02)		1.56 (0.02)		528 (3.9)		518 (3.0)		530 (3.8)		533 (3.6)		5 (4.4)	
	Estonia	-0.05 (0.01)		0.95 (0.01)		-1.13 (0.02)		-0.39 (0.02)		0.09 (0.01)		1.25 (0.02)		538 (4.3)		544 (3.9)		527 (3.6)		544 (4.0)		6 (5.0)	
	Finland	-0.08 (0.01)		0.90 (0.01)		-1.16 (0.02)		-0.34 (0.01)		0.04 (0.01)		1.13 (0.03)		536 (4.0)		551 (3.7)		528 (3.7)		540 (3.6)		3 (4.5)	
	France	0.23 (0.01)		1.03 (0.01)		-1.01 (0.02)		-0.15 (0.01)		0.41 (0.02)		1.67 (0.02)		506 (3.7)		501 (3.6)		514 (3.5)		499 (4.8)		-7 (4.6)	
	Germany	-0.05 (0.01)		1.02 (0.01)		-1.28 (0.02)		-0.47 (0.01)		0.20 (0.02)		1.35 (0.02)		539 (3.6)		540 (4.7)		535 (3.9)		534 (4.7)		-5 (5.2)	
	Greece	0.05 (0.01)		0.96 (0.01)		-1.08 (0.02)		-0.25 (0.02)		0.19 (0.02)		1.35 (0.02)		449 (4.6)		465 (4.4)		470 (4.1)		478 (4.5)		30 (5.2)	
	Hungary	0.07 (0.02)		0.99 (0.01)		-1.10 (0.02)		-0.23 (0.02)		0.16 (0.02)		1.44 (0.03)		467 (4.5)		474 (4.2)		483 (3.9)		485 (3.8)		19 (5.7)	
	Iceland	-0.01 (0.02)		0.93 (0.01)		-1.11 (0.03)		-0.29 (0.02)		0.11 (0.02)		1.26 (0.03)		504 (4.8)		507 (3.9)		493 (4.3)		515 (3.9)		12 (5.1)	
	Ireland	0.21 (0.01)		0.90 (0.01)		-0.86 (0.02)		-0.10 (0.01)		0.35 (0.02)		1.46 (0.02)		m m		m m		m m		m m		m m	
	Israel	-0.02 (0.02)		1.09 (0.01)		-1.35 (0.03)		-0.33 (0.03)		0.15 (0.02)		1.44 (0.03)		464 (6.2)		484 (5.2)		483 (5.2)		494 (4.5)		31 (7.0)	
	Italy	-0.02 (0.01)		0.91 (0.01)		-1.09 (0.02)		-0.31 (0.02)		0.10 (0.01)		1.22 (0.02)		482 (4.0)		488 (4.3)		482 (4.0)		485 (3.5)		2 (4.6)	
	Japan	-0.94 (0.02)		1.02 (0.01)		-2.16 (0.02)		-1.20 (0.01)		-0.79 (0.01)		0.39 (0.03)		543 (3.9)		559 (3.5)		563 (3.3)		550 (3.8)		7 (4.6)	
	Korea	-0.57 (0.02)		0.89 (0.01)		-1.58 (0.02)		-0.89 (0.01)		-0.33 (0.02)		0.52 (0.03)		529 (3.7)		550 (2.9)		538 (3.4)		539 (3.7)		9 (3.7)	
	Latvia	-0.13 (0.01)		0.90 (0.01)		-1.18 (0.02)		-0.43 (0.01)		0.00 (0.01)		1.07 (0.03)		478 (3.4)		485 (4.1)		484 (4.4)		503 (3.4)		25 (4.5)	
	Luxembourg	0.01 (0.02)		1.07 (0.01)		-1.28 (0.02)		-0.37 (0.02)		0.23 (0.02)		1.47 (0.02)		494 (3.7)		502 (3.6)		501 (3.9)		509 (3.1)		15 (5.1)	
	Mexico	-0.09 (0.02)		1.04 (0.01)		-1.34 (0.02)		-0.43 (0.02)		0.09 (0.01)		1.32 (0.03)		418 (3.1)		433 (3.0)		439 (3.1)		457 (3.7)		39 (3.8)	
	Netherlands	-0.04 (0.01)		0.85 (0.01)		-1.01 (0.02)		-0.31 (0.02)		0.05 (0.01)		1.12 (0.02)		522 (4.2)		518 (3.1)		513 (3.5)		526 (4.0)		4 (4.6)	
	New Zealand	0.21 (0.02)		0.91 (0.01)		-0.87 (0.02)		-0.07 (0.01)		0.31 (0.03)		1.46 (0.02)		537 (4.8)		529 (4.9)		556 (4.6)		552 (4.1)		15 (6.1)	
	Norway	m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		m m	
	Poland	0.02 (0.01)		0.94 (0.01)		-1.07 (0.02)		-0.25 (0.02)		0.10 (0.01)		1.30 (0.03)		m m		m m		m m		m m		m m	
	Portugal	0.39 (0.01)		0.92 (0.01)		-0.68 (0.02)		0.02 (0.00)		0.50 (0.03)		1.70 (0.02)		501 (3.7)		480 (3.7)		517 (4.3)		505 (3.9)		3 (5.4)	
	Slovak Republic	-0.13 (0.02)		0.96 (0.01)		-1.25 (0.02)		-0.43 (0.02)		0.02 (0.00)		1.14 (0.03)		458 (4.3)		468 (3.5)		468 (3.6)		479 (3.6)		22 (5.1)	
	Slovenia	0.06 (0.02)		0.96 (0.01)		-1.07 (0.02)		-0.24 (0.02)		0.15 (0.02)		1.39 (0.03)		508 (4.0)		503 (3.8)		507 (4.1)		510 (4.2)		2 (5.4)	
	Spain	0.15 (0.01)		0.96 (0.01)		-0.98 (0.02)		-0.19 (0.01)		0.32 (0.02)		1.46 (0.02)		495 (3.6)		495 (3.4)		506 (3.1)		506 (3.1)		11 (4.5)	
	Sweden	0.27 (0.02)		1.03 (0.01)		-1.00 (0.02)		-0.07 (0.01)		0.46 (0.03)		1.68 (0.02)		520 (4.4)		502 (4.0)		537 (5.3)		521 (4.4)		1 (5.0)	
	Switzerland	0.05 (0.02)		1.03 (0.01)		-1.20 (0.03)		-0.36 (0.02)		0.29 (0.02)		1.46 (0.02)		m m		m m		m m		m m		m m	
	Turkey	m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		m m	
	United Kingdom²	0.34 (0.02)		0.93 (0.01)		-0.76 (0.02)		-0.01 (0.01)		0.51 (0.03)		1.63 (0.02)		528 (5.0)		514 (4.4)		544 (4.5)		531 (4.6)		3 (6.1)	
United States	m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		
OECD average-28	0.00 (0.00)		0.97 (0.00)		-1.14 (0.00)		-0.32 (0.00)		0.16 (0.00)		1.32 (0.00)		502 (0.8)		505 (0.7)		509 (0.7)		512 (0.7)		11 (1.0)		
OECD average-31	0.01 (0.00)		0.97 (0.00)		-1.13 (0.00)		-0.31 (0.00)		0.16 (0.00)		1.32 (0.00)		m m		m m		m m		m m		m m		
Partners	Brazil	-0.01 (0.02)		0.97 (0.01)		-1.15 (0.02)		-0.28 (0.02)		0.08 (0.01)		1.30 (0.03)		410 (4.3)		426 (4.3)		428 (4.9)		445 (4.0)		34 (4.1)	
	B-S-J-G (China)	-0.50 (0.01)		0.78 (0.01)		-1.37 (0.02)		-0.77 (0.01)		-0.32 (0.02)		0.47 (0.02)		491 (5.3)		503 (4.4)		505 (4.8)		497 (5.2)		6 (5.5)	
	Bulgaria	-0.01 (0.02)		1.02 (0.01)		-1.23 (0.03)		-0.25 (0.02)		0.09 (0.02)		1.35 (0.03)		438 (5.7)		465 (4.2)		452 (5.2)		481 (5.4)		43 (6.5)	
	Colombia	-0.02 (0.01)		0.96 (0.01)		-1.16 (0.03)		-0.25 (0.02)		0.08 (0.01)		1.25 (0.02)		414 (3.9)		434 (3.3)		440 (3.2)		459 (3.7)		45 (4.5)	
	Costa Rica	0.06 (0.02)		1.00 (0.01)		-1.13 (0.02)		-0.25 (0.02)		0.18 (0.02)		1.43 (0.02)		434 (3.5)		443 (3.5)		449 (3.1)		457 (3.6)		23 (4.1)	
	Croatia	0.17 (0.01)		0.99 (0.01)		-1.02 (0.02)		-0.12 (0.01)		0.28 (0.02)		1.53 (0.02)		464 (3.7)		472 (3.6)		488 (3.8)		488 (3.3)		23 (3.9)	
	Cyprus*	m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		m m	
	Dominican Republic	-0.05 (0.02)		1.13 (0.02)		-1.47 (0.04)		-0.35 (0.03)		0.20 (0.03)		1.42 (0.03)		m m		m m		m m		m m		m m	
	Hong Kong (China)	-0.07 (0.01)		0.82 (0.01)		-1.01 (0.02)		-0.24 (0.01)		0.02 (0.00)		0.96 (0.03)		547 (4.0)		543 (4.1)		534 (3.6)		549 (4.1)		3 (4.2)	
	Lithuania	0.01 (0.02)		1.11 (0.01)		-1.36 (0.02)		-0.37 (0.02)		0.31 (0.02)		1.47 (0.02)		443 (3.4)		464 (3.5)		483 (3.7)		504 (3.4)		61 (3.9)	
	Macao (China)	-0.16 (0.01)		0.77 (0.01)		-1.03 (0.01)		-0.44 (0.01)		0.00 (0.01)		0.82 (0.03)		544 (2.5)		537 (3.1)		521 (3.1)		536 (3.3)		-8 (4.3)	
	Montenegro	m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		m m	
	Peru	-0.27 (0.01)		0.88 (0.01)		-1.28 (0.02)		-0.59 (0.01)		-0.09 (0.01)		0.88 (0.03)		413 (3.8)		428 (3.9)		432 (3.1)		448 (4.8)		35 (5.4)	
	Qatar	m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		m m	
	Russia	-0.04 (0.01)		0.88 (0.01)		-1.05 (0.02)		-0.24 (0.02)		0.02 (0.00)		1.11 (0.04)		477 (4.8)		476 (5.3)		472 (4.4)		488 (4.4)		11 (5.1)	
	Singapore	-0.01 (0.01)		0.91 (0.01)		-1.07 (0.02)		-0.31 (0.02)		0.09 (0.01)		1.25 (0.02)		568 (2.8)		566 (2.7)		547 (3.0)		570 (3.2)		2 (4.6)	
	Chinese Taipei	-0.16 (0.01)		0.88 (0.01)		-1.16 (0.01)		-0.46 (0.01)		0.00 (0.01)		0.99 (0.03)		530 (3.8)		531 (3.3)		511 (3.8)		538 (3.6)		8 (4.3)	
	Thailand	-0.25 (0.02)		0.81 (0.01)		-1.22 (0.02)		-0.44 (0.02)		0.02 (0.01)		0.66 (0.03)		430 (4.7)		440 (4.5)		430 (3.6)		455 (5.0)		24 (4.7)	
Tunisia	m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		
United Arab Emirates	m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		
Uruguay	0.07 (0.02)		1.03 (0.01)		-1.15 (0.03)		-0.19 (0.01)		0.18 (0.02)		1.45 (0.02)		444 (3.4)		461 (3.4)		460 (3.6)		461 (5.2)		17 (5.3)		
Malaysia**	m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		m m		

2. Only the United Kingdom subnational entities of England, Northern Ireland and Wales participated in the ICT questionnaire.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

[Part 2/2]

Table V.3.11b Index of students' self-reported ICT competence and performance in collaborative problem solving*Results based on students' self-reports*

	Change in collaborative problem-solving performance per one-unit change on the index of students' self-reported ICT competence				Increased likelihood of students in the bottom quarter of the index of students' self-reported ICT competence scoring below Level 2 on the collaborative problem-solving scale (below 440 score points)		Increased likelihood of students in the top quarter of students' self-reported ICT competence scoring at Level 4 on the collaborative problem-solving scale (at or above 640 score points)	
	Before accounting for students' and schools' socio-economic profile ¹		After accounting for students' and schools' socio-economic profile		Relative risk	S.E.	Relative risk	S.E.
	Score dif.	S.E.	Score dif.	S.E.				
OECD	Australia	8 (1.9)	5 (1.9)	5 (1.9)	1.1 (0.1)		1.1 (0.1)	
	Austria	5 (1.9)	3 (1.7)	3 (1.7)	1.4 (0.1)		1.1 (0.1)	
	Belgium	-5 (1.4)	-3 (1.3)	-3 (1.3)	0.9 (0.1)		0.8 (0.1)	
	Canada	m	m	m	m	m	m	m
	Chile	9 (1.7)	5 (1.6)	5 (1.6)	1.2 (0.1)		1.1 (0.5)	
	Czech Republic	5 (1.7)	3 (1.7)	3 (1.7)	1.1 (0.1)		1.1 (0.2)	
	Denmark	4 (1.6)	2 (1.6)	2 (1.6)	1.0 (0.1)		1.1 (0.2)	
	Estonia	2 (1.9)	0 (1.9)	0 (1.9)	1.0 (0.1)		1.1 (0.1)	
	Finland	0 (1.8)	-2 (1.7)	-2 (1.7)	1.1 (0.1)		1.0 (0.1)	
	France	0 (1.5)	-1 (1.4)	-1 (1.4)	1.0 (0.1)		0.8 (0.2)	
	Germany	-1 (1.8)	-1 (1.7)	-1 (1.7)	1.0 (0.1)		0.9 (0.1)	
	Greece	11 (1.9)	7 (1.8)	7 (1.8)	1.3 (0.1)		1.7 (0.5)	
	Hungary	9 (2.0)	5 (1.5)	5 (1.5)	1.2 (0.1)		1.0 (0.2)	
	Iceland	5 (1.8)	4 (1.8)	4 (1.8)	1.1 (0.1)		1.3 (0.2)	
	Ireland	m	m	m	m	m	m	m
	Israel	12 (2.1)	8 (1.7)	8 (1.7)	1.3 (0.1)		1.1 (0.2)	
	Italy	2 (1.7)	3 (1.6)	3 (1.6)	1.0 (0.1)		0.9 (0.2)	
	Japan	4 (1.7)	3 (1.6)	3 (1.6)	1.5 (0.2)		1.0 (0.1)	
	Korea	6 (1.6)	3 (1.5)	3 (1.5)	1.2 (0.1)		1.6 (0.2)	
	Latvia	10 (1.8)	7 (1.8)	7 (1.8)	1.2 (0.1)		1.6 (0.4)	
	Luxembourg	6 (1.6)	3 (1.5)	3 (1.5)	1.2 (0.1)		1.2 (0.2)	
	Mexico	15 (1.2)	6 (1.1)	6 (1.1)	1.3 (0.0)		3.6 (2.8)	
	Netherlands	1 (1.9)	-1 (1.7)	-1 (1.7)	1.0 (0.1)		1.0 (0.2)	
	New Zealand	9 (2.6)	6 (2.6)	6 (2.6)	1.2 (0.1)		1.1 (0.1)	
	Norway	m	m	m	m	m	m	m
	Poland	m	m	m	m	m	m	m
	Portugal	5 (2.2)	2 (2.1)	2 (2.1)	1.0 (0.2)		1.1 (0.3)	
	Slovak Republic	8 (1.8)	1 (1.6)	1 (1.6)	1.2 (0.1)		1.1 (0.3)	
	Slovenia	2 (1.8)	2 (1.7)	2 (1.7)	1.1 (0.1)		1.0 (0.2)	
	Spain	6 (1.6)	5 (1.5)	5 (1.5)	1.2 (0.1)		1.1 (0.2)	
	Sweden	5 (1.7)	1 (1.6)	1 (1.6)	1.0 (0.1)		1.0 (0.1)	
	Switzerland	m	m	m	m	m	m	m
	Turkey	m	m	m	m	m	m	m
	United Kingdom ²	4 (2.2)	3 (2.0)	3 (2.0)	1.1 (0.1)		1.0 (0.1)	
	United States	m	m	m	m	m	m	m
	OECD average-28	5 (0.3)	3 (0.3)	3 (0.3)	1.1 (0.0)		1.2 (0.1)	
	OECD average-31	m	m	m	m	m	m	m
Partners	Brazil	14 (1.5)	6 (1.3)	6 (1.3)	1.2 (0.0)		1.6 (0.7)	
	B-S-J-G (China)	9 (2.4)	-6 (1.9)	-6 (1.9)	1.2 (0.1)		1.4 (0.6)	
	Bulgaria	16 (2.1)	10 (1.8)	10 (1.8)	1.3 (0.1)		1.9 (0.5)	
	Colombia	18 (1.7)	10 (1.6)	10 (1.6)	1.3 (0.0)		2.8 (1.1)	
	Costa Rica	10 (1.4)	5 (1.3)	5 (1.3)	1.2 (0.0)		1.1 (0.7)	
	Croatia	10 (1.4)	7 (1.3)	7 (1.3)	1.3 (0.1)		1.3 (0.4)	
	Cyprus*	m	m	m	m	m	m	m
	Dominican Republic	m	m	m	m	m	m	m
	Hong Kong (China)	3 (1.8)	2 (1.7)	2 (1.7)	0.9 (0.1)		1.3 (0.1)	
	Lithuania	22 (1.2)	16 (1.1)	16 (1.1)	1.7 (0.1)		2.6 (0.6)	
	Macao (China)	-3 (2.4)	-4 (2.4)	-4 (2.4)	0.8 (0.1)		1.2 (0.2)	
	Montenegro	m	m	m	m	m	m	m
	Peru	15 (2.1)	3 (1.7)	3 (1.7)	1.2 (0.0)		2.2 (1.1)	
	Qatar	m	m	m	m	m	m	m
	Russia	6 (1.9)	1 (1.8)	1 (1.8)	1.1 (0.1)		1.3 (0.3)	
	Singapore	1 (1.8)	-3 (1.8)	-3 (1.8)	0.8 (0.1)		1.2 (0.1)	
	Chinese Taipei	4 (1.5)	1 (1.4)	1 (1.4)	1.0 (0.1)		1.4 (0.2)	
	Thailand	13 (2.0)	5 (1.8)	5 (1.8)	1.1 (0.0)		3.0 (1.0)	
	Tunisia	m	m	m	m	m	m	m
	United Arab Emirates	m	m	m	m	m	m	m
	Uruguay	7 (1.8)	3 (1.7)	3 (1.7)	1.2 (0.1)		1.4 (0.5)	
	Malaysia**	m	m	m	m	m	m	m

1. Socio-economic profile is measured by the PISA index of economic, social and cultural status.

2. Only the United Kingdom subnational entities of England, Northern Ireland and Wales participated in the ICT questionnaire.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.3.12 Low self-reported ICT competence and performance in collaborative problem solving*Results based on students' self-reports*

		Percentage of students whose index of self-reported ICT competence is...				Performance in collaborative problem solving among students whose self-reported ICT competence is...								Relative performance ¹ in collaborative problem solving among students whose self-reported ICT competence is...							
		... below -1.00		... above -1.00		... below -1.00		... above -1.00		Difference (above -1.00 minus below -1.00)		Increased likelihood of students with an index of self-reported ICT competence below -1.00 scoring below Level 2 on the collaborative problem-solving scale (below 440 score points)		... below -1.00		... above -1.00		Difference (above -1.00 minus below -1.00)			
		%	S.E.	%	S.E.	Mean score	S.E.	Mean score	S.E.	Score dif.	S.E.	Relative risk	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.		
OECD	Australia	7.8	(0.3)	92.2	(0.3)	517	(5.3)	540	(2.0)	23	(5.5)	1.3	(0.1)	18	(4.0)	21	(1.6)	3	(4.4)		
	Austria	19.4	(0.6)	80.6	(0.6)	501	(4.3)	519	(2.8)	18	(4.9)	1.2	(0.1)	10	(2.7)	11	(2.2)	1	(3.0)		
	Belgium	10.2	(0.3)	89.8	(0.3)	505	(5.1)	510	(2.3)	5	(4.7)	1.0	(0.1)	0	(2.9)	-7	(1.4)	-6	(3.1)		
	Canada	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m		
	Chile	10.6	(0.4)	89.4	(0.4)	442	(4.8)	465	(2.7)	23	(4.8)	1.2	(0.1)	-6	(3.3)	-5	(2.2)	1	(3.7)		
	Czech Republic	13.2	(0.5)	86.8	(0.5)	487	(4.5)	506	(2.2)	20	(4.7)	1.3	(0.1)	-2	(3.3)	0	(1.9)	2	(3.0)		
	Denmark	6.4	(0.4)	93.6	(0.4)	512	(6.9)	528	(2.4)	17	(6.6)	1.2	(0.2)	16	(5.1)	13	(1.7)	-3	(5.1)		
	Estonia	12.3	(0.5)	87.7	(0.5)	531	(5.4)	539	(2.5)	8	(5.6)	1.1	(0.2)	11	(3.8)	5	(1.9)	-6	(3.6)		
	Finland	12.9	(0.5)	87.1	(0.5)	525	(5.2)	541	(2.4)	15	(4.7)	1.2	(0.1)	7	(3.5)	4	(1.9)	-3	(3.1)		
	France	9.1	(0.4)	90.9	(0.4)	491	(5.3)	506	(2.6)	15	(5.4)	1.1	(0.1)	-8	(4.1)	-9	(2.2)	-1	(4.5)		
	Germany	16.6	(0.5)	83.4	(0.5)	538	(3.9)	537	(3.0)	-1	(4.0)	0.8	(0.1)	22	(2.8)	11	(2.1)	-10	(2.9)		
	Greece	10.2	(0.5)	89.8	(0.5)	441	(6.4)	468	(3.2)	27	(5.6)	1.2	(0.1)	-15	(4.0)	-11	(1.6)	4	(3.8)		
	Hungary	10.9	(0.4)	89.1	(0.4)	441	(5.7)	482	(2.6)	41	(5.7)	1.5	(0.1)	-15	(3.9)	-11	(1.7)	4	(3.8)		
	Iceland	11.7	(0.6)	88.3	(0.6)	493	(6.7)	506	(2.3)	13	(6.4)	1.2	(0.1)	15	(4.7)	15	(1.7)	0	(4.6)		
	Ireland	6.6	(0.3)	93.4	(0.3)	m	m	m	m	m	m	m	m	m	m	m	m	m	m		
	Israel	16.0	(0.8)	84.0	(0.8)	450	(7.7)	487	(3.6)	37	(6.8)	1.3	(0.1)	-14	(3.9)	-12	(2.0)	1	(4.2)		
	Italy	11.3	(0.5)	88.7	(0.5)	474	(5.6)	485	(2.9)	11	(6.0)	1.1	(0.1)	-10	(4.1)	-13	(2.1)	-3	(4.4)		
	Japan	49.3	(0.8)	50.7	(0.8)	551	(3.2)	557	(2.7)	6	(2.8)	1.1	(0.1)	22	(1.9)	18	(2.2)	-3	(2.1)		
	Korea	30.8	(0.8)	69.2	(0.8)	534	(3.2)	541	(2.6)	8	(2.7)	1.1	(0.1)	22	(2.3)	17	(2.0)	-5	(1.9)		
	Latvia	12.7	(0.5)	87.3	(0.5)	472	(4.6)	490	(2.3)	17	(4.7)	1.2	(0.1)	-12	(3.6)	-10	(1.7)	1	(3.6)		
	Luxembourg	15.7	(0.6)	84.3	(0.6)	485	(4.4)	504	(1.9)	20	(4.9)	1.1	(0.1)	4	(3.5)	1	(1.8)	-4	(3.6)		
	Mexico	16.0	(0.6)	84.0	(0.6)	408	(3.4)	442	(2.5)	34	(3.2)	1.3	(0.0)	-6	(2.5)	-1	(1.6)	4	(2.5)		
	Netherlands	9.8	(0.4)	90.2	(0.4)	517	(5.1)	520	(2.4)	3	(4.8)	1.1	(0.1)	19	(4.2)	5	(1.6)	-14	(4.0)		
	New Zealand	7.1	(0.5)	92.9	(0.5)	522	(8.6)	545	(2.6)	23	(8.4)	1.3	(0.2)	9	(5.5)	19	(2.2)	10	(5.8)		
	Norway	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m		
	Poland	10.0	(0.5)	90.0	(0.5)	m	m	m	m	m	m	m	m	m	m	m	m	m	m		
	Portugal	4.7	(0.3)	95.3	(0.3)	480	(8.7)	502	(2.6)	22	(8.4)	1.3	(0.2)	-10	(5.2)	-7	(2.0)	3	(5.2)		
	Slovak Republic	15.0	(0.6)	85.0	(0.6)	448	(4.9)	472	(2.3)	24	(4.6)	1.2	(0.1)	-2	(3.4)	-11	(1.7)	-9	(3.3)		
	Slovenia	10.9	(0.5)	89.1	(0.5)	502	(5.1)	507	(1.8)	6	(5.0)	1.0	(0.1)	-15	(4.1)	-12	(1.9)	3	(3.8)		
	Spain	8.7	(0.4)	91.3	(0.4)	484	(5.1)	502	(2.1)	18	(4.7)	1.3	(0.1)	-4	(3.4)	-3	(1.7)	1	(3.4)		
	Sweden	9.2	(0.5)	90.8	(0.5)	501	(5.9)	522	(3.3)	21	(5.7)	1.2	(0.1)	13	(3.9)	7	(2.1)	-6	(3.5)		
	Switzerland	14.2	(0.8)	85.8	(0.8)	m	m	m	m	m	m	m	m	m	m	m	m	m	m		
	Turkey	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m		
United Kingdom ²	5.3	(0.4)	94.7	(0.4)	500	(9.0)	531	(3.0)	31	(8.9)	1.4	(0.2)	10	(6.3)	11	(2.5)	1	(6.4)			
United States	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m			
OECD average-28	13.4	(0.1)	86.6	(0.1)	491	(1.1)	509	(0.5)	18	(1.1)	1.2	(0.0)	3	(0.7)	2	(0.4)	-1	(0.7)			
OECD average-31	13.1	(0.1)	86.9	(0.1)	m	m	m	m	m	m	m	m	m	m	m	m	m	m			
Partners	Brazil	11.4	(0.5)	88.6	(0.5)	393	(4.4)	432	(3.5)	39	(4.4)	1.1	(0.0)	-10	(3.6)	-9	(2.4)	0	(3.9)		
	B-S-J-G (China)	22.3	(0.7)	77.7	(0.7)	491	(5.0)	502	(4.0)	11	(4.1)	1.1	(0.1)	-8	(2.9)	-22	(1.7)	-13	(2.7)		
	Bulgaria	12.1	(0.6)	87.9	(0.6)	411	(5.7)	466	(3.5)	55	(5.2)	1.3	(0.1)	-15	(3.0)	-11	(2.0)	4	(3.5)		
	Colombia	11.7	(0.5)	88.3	(0.5)	394	(4.3)	443	(2.3)	48	(4.3)	1.4	(0.0)	-10	(3.0)	-6	(1.6)	4	(3.1)		
	Costa Rica	11.0	(0.4)	89.0	(0.4)	424	(4.0)	449	(2.5)	25	(3.7)	1.2	(0.0)	3	(3.5)	3	(2.0)	0	(3.4)		
	Croatia	8.4	(0.4)	91.6	(0.4)	445	(5.4)	481	(2.5)	36	(5.2)	1.4	(0.1)	-20	(3.8)	-13	(1.6)	6	(4.0)		
	Cyprus*	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m		
	Dominican Republic	17.3	(0.8)	82.7	(0.8)	m	m	m	m	m	m	m	m	m	m	m	m	m	m		
	Hong Kong (China)	9.5	(0.4)	90.5	(0.4)	523	(6.1)	545	(2.9)	22	(5.5)	1.5	(0.2)	13	(4.2)	15	(2.2)	1	(3.9)		
	Lithuania	16.7	(0.6)	83.3	(0.6)	435	(3.9)	481	(2.4)	46	(3.7)	1.5	(0.1)	-16	(2.5)	-16	(1.4)	0	(2.4)		
	Macao (China)	9.5	(0.5)	90.5	(0.5)	537	(4.8)	534	(1.5)	-2	(5.5)	1.0	(0.1)	13	(3.3)	9	(1.4)	-4	(3.8)		
	Montenegro	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m		
	Peru	16.1	(0.6)	83.9	(0.6)	406	(3.8)	435	(2.9)	29	(3.8)	1.1	(0.0)	1	(2.7)	2	(1.9)	1	(2.7)		
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m		
	Russia	9.2	(0.4)	90.8	(0.4)	454	(5.3)	481	(3.5)	26	(5.5)	1.3	(0.1)	-27	(3.9)	-22	(2.4)	5	(4.5)		
	Singapore	11.5	(0.5)	88.5	(0.5)	558	(4.0)	564	(1.3)	6	(4.3)	1.1	(0.1)	18	(3.6)	14	(1.3)	-4	(3.7)		
	Chinese Taipei	14.0	(0.4)	86.0	(0.4)	520	(4.6)	529	(2.5)	9	(4.3)	1.3	(0.1)	4	(3.5)	3	(2.0)	-1	(3.4)		
	Thailand	15.0	(0.5)	85.0	(0.5)	419	(4.4)	443	(3.6)	24	(3.6)	1.2	(0.0)	-4	(3.2)	3	(2.0)	7	(3.0)		
	Tunisia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m		
	United Arab Emirates	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m		
	Uruguay	11.0	(0.5)	89.0	(0.5)	423	(4.7)	461	(2.6)	38	(4.5)	1.2	(0.1)	-9	(3.4)	-8	(2.0)	0	(3.5)		
	Malaysia**	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m		

1. Relative scores are the residuals obtained from a pooled linear regression, across all participating countries/economies, of performance in collaborative problem solving over performance in science, reading and/or mathematics.

2. Only the United Kingdom subnational entities of England, Northern Ireland and Wales participated in the ICT questionnaire.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.4.1a Variation in collaborative problem-solving performance

			Variation in collaborative problem-solving performance						As a percentage of the average total variation in collaborative problem-solving performance across OECD countries			Index of intra-class correlation ³	
			Total variation ¹		Between-school variation ²		Within-school variation		Total variation	Between-school variation	Within-school variation		
	Mean score	S.E.	Variance	S.E.	Variance	S.E.	Variance	S.E.	%	%	%	Overall	S.E.
OECD	Australia	531 (1.9)	11 374 (283)	1 975 (164)	9 536 (211)	125.6	21.8	105.3	17.2	(1.2)			
	Austria	509 (2.6)	9 680 (293)	3 274 (291)	6 333 (197)	106.9	36.1	69.9	34.1	(2.2)			
	Belgium	501 (2.4)	9 731 (284)	3 407 (292)	6 265 (144)	107.4	37.6	69.2	35.2	(2.1)			
	Canada	535 (2.3)	10 861 (204)	1 546 (135)	9 266 (179)	119.9	17.1	102.3	14.3	(1.1)			
	Chile	457 (2.7)	7 065 (219)	2 000 (197)	4 999 (145)	78.0	22.1	55.2	28.6	(2.1)			
	Czech Republic	499 (2.2)	8 277 (255)	2 534 (248)	5 594 (188)	91.4	28.0	61.8	31.2	(2.3)			
	Denmark	520 (2.5)	8 139 (220)	1 081 (144)	7 009 (189)	89.9	11.9	77.4	13.4	(1.6)			
	Estonia	535 (2.5)	8 160 (237)	1 437 (201)	6 656 (194)	90.1	15.9	73.5	17.8	(2.2)			
	Finland	534 (2.6)	10 298 (298)	638 (132)	9 555 (247)	113.7	7.0	105.5	6.3	(1.2)			
	France	494 (2.4)	w w	w w	w w	w w	w w	w w	w w				
	Germany	525 (2.8)	10 198 (294)	3 199 (270)	6 987 (192)	112.6	35.3	77.1	31.4	(2.0)			
	Greece	459 (3.6)	8 489 (287)	2 329 (304)	6 047 (189)	93.7	25.7	66.8	27.8	(2.8)			
	Hungary	472 (2.4)	9 101 (312)	4 088 (366)	4 791 (119)	100.5	45.1	52.9	46.0	(2.4)			
	Iceland	499 (2.3)	8 926 (351)	387 (162)	8 704 (441)	98.5	4.3	96.1	4.3	(1.8)			
	Ireland	m m	m m	m m	m m	m m	m m	m m	m m				
	Israel	469 (3.6)	11 058 (381)	4 777 (419)	6 280 (298)	122.1	52.7	69.3	43.2	(2.8)			
	Italy	478 (2.5)	9 263 (309)	3 084 (279)	6 132 (168)	102.3	34.1	67.7	33.5	(2.1)			
	Japan	552 (2.7)	7 152 (296)	2 013 (226)	5 107 (163)	79.0	22.2	56.4	28.3	(2.3)			
	Korea	538 (2.5)	7 033 (249)	1 469 (207)	5 529 (174)	77.6	16.2	61.0	21.0	(2.4)			
	Latvia	485 (2.3)	8 078 (237)	979 (152)	6 911 (189)	89.2	10.8	76.3	12.4	(1.7)			
	Luxembourg	491 (1.5)	9 958 (207)	2 549 (423)	7 494 (300)	109.9	28.1	82.7	25.4	(3.5)			
	Mexico	433 (2.5)	6 262 (235)	1 806 (203)	4 431 (137)	69.1	19.9	48.9	28.9	(2.4)			
	Netherlands	518 (2.4)	9 347 (289)	3 584 (320)	5 759 (167)	103.2	39.6	63.6	38.4	(2.3)			
	New Zealand	533 (2.4)	11 192 (354)	1 483 (225)	9 689 (303)	123.6	16.4	107.0	13.3	(1.8)			
	Norway	502 (2.5)	8 806 (292)	819 (136)	7 976 (258)	97.2	9.0	88.1	9.3	(1.4)			
	Poland	m m	m m	m m	m m	m m	m m	m m	m m				
	Portugal	498 (2.6)	8 317 (233)	1 593 (178)	6 724 (183)	91.8	17.6	74.2	19.1	(1.8)			
	Slovak Republic	463 (2.4)	8 637 (286)	2 945 (302)	5 592 (155)	95.4	32.5	61.7	34.5	(2.4)			
	Slovenia	502 (1.8)	8 592 (246)	3 091 (304)	5 339 (166)	94.9	34.1	58.9	36.7	(2.4)			
	Spain	496 (2.1)	7 749 (198)	835 (118)	6 902 (167)	85.6	9.2	76.2	10.8	(1.4)			
	Sweden	510 (3.4)	9 659 (356)	1 309 (203)	8 228 (253)	106.6	14.5	90.8	13.7	(1.9)			
	Switzerland	m m	m m	m m	m m	m m	m m	m m	m m				
	Turkey	422 (3.4)	6 100 (245)	2 560 (259)	3 529 (91)	67.3	28.3	39.0	42.0	(2.6)			
	United Kingdom	519 (2.7)	10 609 (231)	1 883 (203)	8 727 (197)	117.1	20.8	96.3	17.7	(1.7)			
	United States	520 (3.6)	11 698 (380)	1 880 (269)	9 847 (268)	129.1	20.8	108.7	16.0	(1.9)			
	OECD average	500 (0.5)	9 058 (50)	2 191 (45)	6 825 (38)	100.0	24.2	75.3	24.6	(0.4)			
Partners	Brazil	412 (2.3)	7 653 (231)	2 460 (232)	5 247 (118)	84.5	27.2	57.9	31.9	(2.1)			
	B-S-J-G (China)	496 (4.0)	9 383 (408)	3 875 (377)	5 470 (163)	103.6	42.8	60.4	41.5	(2.5)			
	Bulgaria	444 (3.9)	9 563 (327)	4 189 (366)	5 404 (150)	105.6	46.2	59.7	43.7	(2.4)			
	Colombia	429 (2.3)	6 852 (238)	2 111 (223)	4 758 (165)	75.6	23.3	52.5	30.7	(2.4)			
	Costa Rica	441 (2.4)	6 026 (205)	1 403 (197)	4 608 (120)	66.5	15.5	50.9	23.3	(2.5)			
	Croatia	473 (2.5)	7 590 (260)	2 222 (232)	5 336 (168)	83.8	24.5	58.9	29.4	(2.3)			
	Cyprus*	444 (1.7)	8 326 (238)	1 461 (250)	6 820 (224)	91.9	16.1	75.3	17.6	(2.6)			
	Dominican Republic	m m	m m	m m	m m	m m	m m	m m	m m				
	Hong Kong (China)	541 (2.9)	8 176 (288)	1 985 (219)	6 184 (190)	90.3	21.9	68.3	24.3	(2.0)			
	Lithuania	467 (2.5)	8 205 (261)	2 367 (275)	5 788 (176)	90.6	26.1	63.9	29.0	(2.6)			
	Macao (China)	534 (1.2)	8 011 (188)	1 700 (505)	6 219 (230)	88.4	18.8	68.7	21.5	(5.2)			
	Montenegro	416 (1.3)	6 249 (190)	1 203 (228)	5 061 (202)	69.0	13.3	55.9	19.2	(3.0)			
	Peru	418 (2.5)	6 961 (266)	2 677 (251)	4 297 (108)	76.9	29.6	47.4	38.4	(2.2)			
	Qatar	m m	m m	m m	m m	m m	m m	m m	m m				
	Russia	473 (3.4)	8 493 (266)	1 763 (233)	6 780 (164)	93.8	19.5	74.9	20.6	(2.2)			
	Singapore	561 (1.2)	9 330 (236)	2 205 (269)	7 111 (216)	103.0	24.3	78.5	23.7	(2.4)			
	Chinese Taipei	527 (2.5)	8 136 (264)	2 113 (249)	6 005 (163)	89.8	23.3	66.3	26.0	(2.4)			
	Thailand	436 (3.5)	6 948 (283)	2 472 (299)	4 570 (154)	76.7	27.3	50.5	35.1	(2.9)			
	Tunisia	382 (1.9)	3 470 (170)	1 109 (223)	2 363 (69)	38.3	12.2	26.1	31.9	(4.4)			
	United Arab Emirates	435 (2.4)	8 979 (192)	3 706 (292)	5 307 (110)	99.1	40.9	58.6	41.1	(2.0)			
	Uruguay	443 (2.3)	8 275 (238)	2 381 (221)	5 945 (185)	91.4	26.3	65.6	28.6	(2.1)			
	Malaysia**	440 (3.3)	6 330 (272)	1 593 (201)	4 722 (178)	69.9	17.6	52.1	25.2	(2.5)			

1. The total variation in student performance is calculated from the square of the standard deviation for all students. Due to the unbalanced, clustered nature of the data, the sum of the between- and within-school components, as an estimate from a sample, does not necessarily add up to the total variation.

2. In some countries/economies, subunits within schools were sampled instead of schools; this may affect the estimation of between-school variation components (see Annex A3).

3. The intra-class correlation is the variation in student performance between schools, divided by the sum of the variation in student performance between schools and the variation in student performance within schools, and multiplied by 100.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.4.1b Variation in relative collaborative problem-solving performance

	Variation in relative collaborative problem-solving performance ¹						The percentage of the variation in collaborative problem-solving performance explained by performance in science, reading and mathematics			Index of intra-class correlation ⁴	
	Total variation ²		Between-school variation ³		Within-school variation		Total variation	Between-school variation	Within-school variation		
	Variance	S.E.	Variance	S.E.	Variance	S.E.	%	%	%	Overall	S.E.
OECD	Australia	4 429 (134)	473 (69)	4 018 (116)	61.1	76.1	57.9	10.5	(1.4)		
	Austria	3 462 (146)	355 (58)	3 094 (120)	64.2	89.2	51.1	10.3	(1.5)		
	Belgium	3 633 (106)	293 (43)	3 301 (89)	62.7	91.4	47.3	8.2	(1.1)		
	Canada	4 389 (107)	594 (65)	3 812 (91)	59.6	61.6	58.9	13.5	(1.3)		
	Chile	2 734 (127)	217 (46)	2 513 (103)	61.3	89.1	49.7	7.9	(1.5)		
	Czech Republic	3 536 (149)	291 (43)	3 200 (125)	57.3	88.5	42.8	8.3	(1.1)		
	Denmark	3 213 (116)	290 (53)	2 914 (104)	60.5	73.1	58.4	9.1	(1.6)		
	Estonia	2 993 (120)	231 (51)	2 738 (91)	63.3	83.9	58.9	7.8	(1.6)		
	Finland	3 770 (128)	201 (42)	3 570 (109)	63.4	68.5	62.6	5.3	(1.0)		
	France	w w	w w	w w	w w	w w	w w	w w	w w		
	Germany	4 089 (111)	299 (47)	3 763 (109)	59.9	90.6	46.1	7.4	(1.1)		
	Greece	3 082 (100)	153 (37)	2 886 (93)	63.7	93.4	52.3	5.0	(1.2)		
	Hungary	3 007 (97)	196 (36)	2 770 (76)	67.0	95.2	42.2	6.6	(1.2)		
	Iceland	3 445 (124)	143 (44)	3 269 (157)	61.4	63.0	62.4	4.2	(1.3)		
	Ireland	m m	m m	m m	m m	m m	m m	m m	m m		
	Israel	3 748 (156)	549 (78)	3 193 (135)	66.1	88.5	49.2	14.7	(1.8)		
	Italy	4 163 (161)	639 (85)	3 502 (125)	55.1	79.3	42.9	15.4	(1.7)		
	Japan	3 108 (105)	350 (53)	2 755 (83)	56.5	82.6	46.1	11.3	(1.5)		
	Korea	2 540 (98)	173 (38)	2 359 (80)	63.9	88.2	57.3	6.8	(1.3)		
	Latvia	3 354 (104)	124 (36)	3 213 (103)	58.5	87.3	53.5	3.7	(1.0)		
	Luxembourg	3 617 (136)	86 (38)	3 476 (124)	63.7	96.6	53.6	2.4	(1.0)		
	Mexico	2 486 (93)	212 (39)	2 258 (64)	60.3	88.3	49.0	8.6	(1.4)		
	Netherlands	3 406 (110)	314 (61)	3 087 (99)	63.6	91.2	46.4	9.2	(1.7)		
	New Zealand	4 134 (151)	295 (62)	3 810 (147)	63.1	80.1	60.7	7.2	(1.4)		
	Norway	3 699 (139)	438 (73)	3 260 (99)	58.0	46.5	59.1	11.8	(1.7)		
	Poland	m m	m m	m m	m m	m m	m m	m m	m m		
	Portugal	3 215 (112)	254 (46)	2 936 (89)	61.3	84.1	56.3	7.9	(1.3)		
	Slovak Republic	3 590 (145)	381 (63)	3 169 (105)	58.4	87.1	43.3	10.7	(1.5)		
	Slovenia	3 618 (122)	347 (70)	3 251 (97)	57.9	88.8	39.1	9.6	(1.7)		
	Spain	3 349 (100)	227 (40)	3 122 (93)	56.8	72.9	54.8	6.8	(1.1)		
	Sweden	3 353 (135)	234 (52)	3 119 (97)	65.3	82.1	62.1	7.0	(1.4)		
	Switzerland	m m	m m	m m	m m	m m	m m	m m	m m		
	Turkey	2 459 (72)	282 (49)	2 176 (53)	59.7	89.0	38.4	11.5	(1.8)		
	United Kingdom	4 178 (121)	471 (66)	3 694 (88)	60.6	75.0	57.7	11.3	(1.4)		
	United States	3 576 (180)	398 (84)	3 172 (145)	69.4	78.9	67.8	11.1	(2.0)		
	OECD average	3 476 (22)	304 (10)	3 157 (19)	61.6	86.1	53.7	8.7	(0.3)		
Partners	Brazil	3 143 (119)	521 (71)	2 657 (79)	58.9	78.8	49.4	16.4	(1.8)		
	B-S-J-G (China)	3 311 (109)	370 (60)	2 931 (86)	64.7	90.5	46.4	11.2	(1.6)		
	Bulgaria	2 848 (97)	203 (39)	2 656 (85)	70.2	95.2	50.8	7.1	(1.3)		
	Colombia	2 422 (87)	243 (34)	2 174 (75)	64.6	88.5	54.3	10.0	(1.3)		
	Costa Rica	3 064 (94)	304 (45)	2 745 (79)	49.2	78.3	40.4	10.0	(1.3)		
	Croatia	2 961 (95)	172 (36)	2 779 (90)	61.0	92.3	47.9	5.8	(1.2)		
	Cyprus*	3 495 (106)	170 (53)	3 337 (100)	58.0	88.4	51.1	4.8	(1.4)		
	Dominican Republic	m m	m m	m m	m m	m m	m m	m m	m m		
	Hong Kong (China)	3 449 (113)	222 (55)	3 226 (99)	57.8	88.8	47.8	6.4	(1.5)		
	Lithuania	2 961 (84)	236 (45)	2 704 (79)	63.9	90.0	53.3	8.0	(1.4)		
	Macao (China)	2 847 (127)	71 (46)	2 776 (138)	64.5	95.8	55.4	2.5	(1.5)		
	Montenegro	2 670 (107)	90 (26)	2 591 (111)	57.3	92.5	48.8	3.3	(0.9)		
	Peru	2 381 (79)	283 (39)	2 083 (64)	65.8	89.4	51.5	12.0	(1.4)		
	Qatar	m m	m m	m m	m m	m m	m m	m m	m m		
	Russia	4 038 (140)	461 (99)	3 578 (110)	52.5	73.9	47.2	11.4	(2.2)		
	Singapore	3 173 (83)	255 (56)	2 916 (73)	66.0	88.4	59.0	8.0	(1.6)		
	Chinese Taipei	3 019 (90)	363 (56)	2 653 (70)	62.9	82.8	55.8	12.0	(1.6)		
	Thailand	2 514 (109)	442 (72)	2 071 (87)	63.8	82.1	54.7	17.6	(2.4)		
	Tunisia	1 949 (58)	261 (49)	1 684 (42)	43.8	76.5	28.7	13.4	(2.2)		
	United Arab Emirates	2 796 (79)	578 (65)	2 231 (53)	68.9	84.4	58.0	20.6	(1.8)		
	Uruguay	3 199 (138)	326 (59)	2 890 (113)	61.3	86.3	51.4	10.1	(1.6)		
	Malaysia**	2 338 (96)	393 (61)	1 943 (69)	63.1	75.3	58.8	16.8	(2.2)		

1. Relative performance refers to the residual performance, attributable to purely «collaborative problem-solving» competencies, after accounting for performance in science, reading and mathematics in a regression performed across students at the national level.

2. The total variation in student performance is calculated from the square of the standard deviation for all students. Due to the unbalanced, clustered nature of the data, the sum of the between- and within-school components, as an estimate from a sample, does not necessarily add up to the total variation.

3. In some countries/economies, subunits within schools were sampled instead of schools; this may affect the estimation of between-school variation components (see Annex A3).

4. The intra-class correlation is the variation in student performance between schools, divided by the sum of the variation in student performance between schools and the variation in student performance within schools, and multiplied by 100.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/2]

Table V.4.2 Percentage of students at each proficiency level in collaborative problem solving, by gender

		Boys										Girls									
		Below Level 1 (below 340 score points)		Level 1 (from 340 to less than 440 score points)		Level 2 (from 440 to less than 540 score points)		Level 3 (from 540 to less than 640 score points)		Level 4 (at or above 640 score points)		Below Level 1 (below 340 score points)		Level 1 (from 340 to less than 440 score points)		Level 2 (from 440 to less than 540 score points)		Level 3 (from 540 to less than 640 score points)		Level 4 (at or above 640 score points)	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	6.5	(0.5)	19.5	(0.8)	32.2	(0.9)	30.5	(1.0)	11.3	(0.6)	2.1	(0.3)	11.6	(0.7)	30.1	(0.8)	36.8	(1.1)	19.3	(1.2)
	Austria	5.7	(0.6)	23.4	(1.1)	35.9	(1.3)	27.3	(1.2)	7.7	(0.8)	3.3	(0.6)	16.9	(1.2)	35.7	(1.4)	33.5	(1.4)	10.5	(1.0)
	Belgium	7.1	(0.6)	23.7	(1.0)	37.4	(1.0)	26.3	(1.0)	5.4	(0.6)	4.3	(0.5)	18.3	(1.1)	36.0	(1.0)	32.5	(1.1)	8.9	(0.8)
	Canada	4.9	(0.4)	19.1	(0.9)	34.0	(0.9)	30.4	(1.0)	11.7	(0.7)	1.9	(0.3)	11.0	(0.8)	30.1	(1.0)	37.2	(1.0)	19.8	(0.8)
	Chile	10.0	(1.1)	36.0	(1.7)	38.2	(1.3)	14.8	(1.0)	1.0	(0.3)	6.9	(0.7)	31.7	(1.4)	42.8	(1.6)	17.3	(1.2)	1.3	(0.3)
	Czech Republic	6.5	(0.7)	24.9	(1.2)	39.2	(1.2)	25.1	(1.2)	4.4	(0.5)	2.7	(0.4)	18.2	(1.1)	40.2	(1.5)	32.6	(1.4)	6.4	(0.6)
	Denmark	3.5	(0.4)	18.8	(1.1)	39.8	(1.4)	30.5	(1.2)	7.4	(0.8)	1.8	(0.4)	13.7	(1.1)	37.8	(1.4)	36.4	(1.5)	10.4	(0.9)
	Estonia	2.6	(0.4)	16.7	(1.0)	37.1	(1.3)	33.6	(1.2)	10.0	(0.9)	0.9	(0.3)	10.1	(0.8)	33.6	(1.5)	40.9	(1.5)	14.5	(1.1)
	Finland	5.2	(0.6)	19.9	(1.1)	35.0	(1.2)	29.8	(1.2)	10.1	(0.9)	1.6	(0.3)	9.0	(0.7)	29.3	(1.3)	41.0	(1.3)	19.1	(1.2)
	France	9.5	(0.9)	25.9	(1.1)	35.1	(1.4)	24.1	(1.5)	5.4	(0.6)	4.5	(0.5)	19.2	(1.1)	37.4	(1.3)	31.1	(1.2)	7.8	(0.8)
	Germany	4.7	(0.6)	20.1	(1.1)	35.9	(1.1)	29.2	(1.2)	10.1	(0.8)	2.4	(0.4)	13.7	(0.9)	32.8	(1.1)	35.7	(1.0)	15.5	(0.9)
	Greece	13.7	(1.4)	35.0	(1.4)	35.1	(1.5)	14.7	(1.0)	1.5	(0.3)	6.7	(0.9)	28.0	(1.7)	41.1	(1.3)	21.7	(1.4)	2.5	(0.5)
	Hungary	10.5	(0.9)	32.4	(1.6)	36.0	(1.3)	18.8	(1.3)	2.3	(0.4)	6.9	(0.8)	24.8	(1.3)	38.8	(1.4)	25.2	(1.3)	4.4	(0.6)
	Iceland	6.7	(0.8)	26.2	(1.5)	36.8	(1.8)	25.2	(1.3)	5.2	(0.8)	2.8	(0.5)	19.1	(1.3)	39.3	(1.6)	31.1	(1.5)	7.8	(0.9)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	13.9	(1.3)	32.0	(1.3)	29.5	(1.5)	20.1	(1.2)	4.5	(0.7)	9.0	(1.1)	28.3	(1.3)	32.0	(1.5)	24.3	(1.4)	6.3	(0.8)
	Italy	10.1	(0.9)	29.6	(1.2)	36.7	(1.3)	20.3	(1.2)	3.2	(0.5)	5.6	(0.6)	24.2	(1.5)	40.3	(1.5)	24.8	(1.2)	5.2	(0.8)
	Japan	1.8	(0.3)	11.5	(1.0)	34.9	(1.5)	40.5	(1.4)	11.4	(1.2)	0.7	(0.3)	6.2	(0.5)	27.8	(1.1)	48.5	(1.3)	16.7	(1.1)
	Korea	2.3	(0.4)	15.3	(1.1)	38.0	(1.3)	36.5	(1.5)	7.9	(0.8)	0.6	(0.2)	7.2	(0.9)	32.0	(1.4)	47.2	(1.4)	13.1	(1.3)
	Latvia	8.1	(0.8)	31.8	(1.4)	39.5	(1.3)	18.1	(0.9)	2.5	(0.5)	3.1	(0.5)	19.0	(1.0)	43.0	(1.3)	29.5	(1.6)	5.4	(0.8)
	Luxembourg	8.5	(0.7)	27.9	(1.0)	35.5	(1.2)	22.4	(1.1)	5.6	(0.6)	4.6	(0.6)	21.8	(1.0)	37.1	(1.3)	28.6	(1.0)	7.9	(0.6)
	Mexico	15.1	(1.1)	41.9	(1.6)	34.2	(1.5)	8.5	(0.7)	0.4	(0.2)	9.3	(0.8)	40.6	(1.8)	40.7	(1.4)	9.1	(0.9)	0.4	(0.2)
	Netherlands	4.6	(0.5)	22.3	(1.3)	36.2	(1.3)	28.8	(1.4)	8.2	(0.9)	2.2	(0.4)	14.9	(1.0)	35.2	(1.4)	35.8	(1.3)	11.9	(1.1)
	New Zealand	5.8	(0.6)	20.0	(1.2)	32.3	(1.2)	29.8	(1.4)	12.1	(1.0)	1.7	(0.4)	11.7	(0.9)	30.2	(1.2)	36.7	(1.3)	19.7	(1.3)
	Norway	6.4	(0.8)	25.0	(1.1)	38.9	(1.3)	24.5	(1.3)	5.3	(0.7)	2.4	(0.4)	16.9	(1.0)	40.2	(1.4)	32.2	(1.6)	8.4	(0.7)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	6.1	(0.6)	24.2	(1.3)	38.9	(1.3)	26.1	(1.2)	4.7	(0.7)	3.1	(0.4)	18.7	(1.0)	41.6	(1.2)	30.9	(1.2)	5.7	(0.6)
	Slovak Republic	11.5	(0.9)	36.1	(1.3)	35.7	(1.6)	14.9	(1.1)	1.7	(0.3)	7.4	(0.7)	25.7	(1.2)	41.3	(1.3)	22.0	(1.2)	3.5	(0.6)
	Slovenia	6.0	(0.6)	26.3	(1.2)	39.2	(1.3)	23.8	(1.1)	4.6	(0.8)	2.7	(0.4)	15.8	(1.0)	38.0	(1.7)	35.2	(1.4)	8.3	(0.9)
	Spain	5.5	(0.7)	25.1	(1.2)	41.1	(1.3)	24.8	(1.2)	3.5	(0.5)	3.3	(0.4)	17.7	(1.0)	42.1	(1.2)	31.8	(1.2)	5.1	(0.5)
	Sweden	6.6	(0.7)	25.7	(1.3)	36.4	(1.4)	24.9	(1.5)	6.4	(0.9)	2.4	(0.4)	14.4	(1.2)	35.5	(1.6)	35.9	(1.2)	11.8	(1.3)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	18.4	(1.5)	46.9	(1.6)	29.5	(1.8)	5.1	(0.8)	0.1	(0.1)	11.3	(1.3)	42.1	(2.0)	37.6	(1.9)	8.7	(1.0)	0.2	(0.2)
	United Kingdom	5.5	(0.5)	21.8	(1.2)	36.3	(1.0)	27.4	(1.0)	8.9	(1.0)	2.8	(0.4)	14.6	(0.9)	32.8	(1.1)	34.5	(1.3)	15.2	(1.0)
	United States	6.7	(0.9)	21.7	(1.2)	32.5	(1.1)	27.0	(1.4)	12.1	(1.1)	3.1	(0.6)	16.0	(1.1)	33.0	(1.2)	32.4	(1.4)	15.6	(1.3)
	OECD average	7.5	(0.1)	25.8	(0.2)	36.0	(0.2)	24.5	(0.2)	6.1	(0.1)	3.9	(0.1)	18.8	(0.2)	36.4	(0.2)	31.3	(0.2)	9.6	(0.2)
Partners	Brazil	25.3	(0.9)	42.7	(0.8)	24.7	(0.9)	6.8	(0.6)	0.5	(0.1)	17.4	(0.9)	43.3	(0.9)	30.5	(0.9)	8.2	(0.6)	0.7	(0.2)
	B-S-J-G (China)	6.9	(0.8)	24.8	(1.3)	38.1	(1.4)	25.2	(1.3)	4.9	(0.7)	4.6	(0.7)	19.7	(1.4)	37.7	(1.4)	29.9	(1.7)	8.2	(1.2)
	Bulgaria	18.7	(1.5)	37.3	(1.5)	29.6	(1.4)	12.9	(1.2)	1.5	(0.3)	11.4	(1.1)	30.6	(1.4)	36.0	(1.4)	19.4	(1.3)	2.6	(0.6)
	Colombia	15.3	(1.3)	43.0	(1.4)	32.8	(1.2)	8.3	(0.8)	0.5	(0.2)	13.0	(1.0)	41.6	(1.1)	34.7	(1.4)	10.0	(0.9)	0.7	(0.2)
	Costa Rica	10.6	(0.8)	41.5	(1.4)	37.8	(1.5)	9.7	(0.9)	0.5	(0.2)	8.2	(0.7)	39.6	(1.3)	41.3	(1.3)	10.2	(0.9)	0.6	(0.2)
	Croatia	9.1	(1.0)	32.9	(1.3)	39.4	(1.5)	16.7	(1.0)	1.8	(0.4)	4.4	(0.6)	24.9	(1.2)	44.0	(1.2)	23.8	(1.1)	2.9	(0.5)
	Cyprus*	18.6	(0.9)	39.7	(1.7)	30.3	(1.3)	10.4	(0.8)	1.0	(0.3)	7.4	(0.7)	32.3	(1.1)	40.7	(1.3)	17.5	(0.9)	2.1	(0.4)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	2.9	(0.5)	15.3	(1.2)	37.3	(1.4)	35.4	(1.5)	9.1	(0.7)	1.0	(0.3)	8.1	(0.8)	29.9	(1.7)	44.1	(1.6)	17.0	(1.2)
	Lithuania	11.4	(0.8)	33.6	(1.2)	36.7	(1.2)	16.4	(1.2)	1.9	(0.4)	5.2	(0.6)	26.8	(1.1)	42.0	(1.5)	23.1	(1.1)	3.0	(0.5)
	Macao (China)	3.6	(0.4)	17.4	(0.9)	37.8	(1.5)	33.1	(1.6)	8.1	(0.8)	0.8	(0.3)	8.0	(0.7)	33.3	(1.2)	43.7	(1.2)	14.1	(0.9)
	Montenegro	22.2	(1.0)	46.5	(1.3)	26.7	(1.2)	4.5	(0.6)	0.1	(0.1)	12.7	(0.9)	42.9	(1.3)	36.7	(1.3)	7.5	(0.7)	0.2	(0.1)
	Peru	19.1	(1.2)	44.1	(1.4)	29.3	(1.2)	7.1	(0.8)	0.4	(0.2)	17.1	(1.1)	42.5	(1.4)	32.0	(1.5)	8.1	(0.9)	0.4	(0.2)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	9.7	(0.9)	32.4	(1.6)	37.9	(1.3)	17.6	(1.3)	2.5	(0.5)	5.0	(0.8)	26.1	(1.7)	41.2	(1.6)	23.0	(1.5)	4.7	(0.7)
	Singapore	2.2	(0.3)	11.7	(0.8)	29.1	(1.0)	38.0	(1.2)	19.0	(0.9)	1.0	(0.2)	7.6	(0.6)	26.4	(1.0)	41.1	(1.3)	24.0	(1.1)
	Chinese Taipei	3.7	(0.5)	17.7	(1.1)	38.6	(1.4)	32.4	(1.2)	7.6	(1.0)	1.5	(0.3)	10.7	(0.8)	35.7	(1.3)	40.2	(1.5)	11.8	(1.2)
	Thailand	17.8	(1.5)	45.8	(1.7)	29.0	(1.6)	7.1	(1.0)	0.4	(0.2)	7.9	(0.9)	39.0	(1.5)	38.7	(1.4)	13.0	(1.1)	1.4	(0.4)
	Tunisia	28.3	(1.9)	57.8	(1.9)	13.2	(1.2)	0.7	(0.3)	0.0	c	21.3	(1.3)	61.0	(1.6)	16.9	(1.4)	0.9	(0.3)	0.0	(0.0)
	United Arab Emirates	22.9	(1.2)	39.9	(1.1)	25.5	(1.1)	10.2	(0.7)	1.6	(0.3)	9.7	(0.8)	35.5	(1.3)	37.5	(1.2)	15.3	(1.0)	2.0	(0.2)
	Uruguay	15.4	(1.1)	39.2	(1.2)	32.0	(1.1)	12.0	(1.0)	1.4	(0.4)	10.6	(0.8)	36.3	(1.1)	36.2	(1.2)	15.1	(1.0)	1.9	(0.3)
	Malaysia**	13.8	(1.3)	42.1	(1.6)	35.2	(1.5)	8.7	(1.1)	0.3	(0.2)	8.0	(0.8)	36.5	(1.7)	43.5	(1.6)	11.5	(1.2)	0.5	(0.2)

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616788>

[Part 2/2]

Table V.4.2 Percentage of students at each proficiency level in collaborative problem solving, by gender

		Gender differences (boys – girls)										Increased risk of ...					
		Below Level 1 (below 340 score points)		Level 1 (from 340 to less than 440 score points)		Level 2 (from 440 to less than 540 score points)		Level 3 (from 540 to less than 640 score points)		Level 4 (at or above 640 score points)		Boys scoring below Level 1 on the collaborative problem-solving scale (below 340 score points)		Boys scoring below Level 2 on the collaborative problem-solving scale (below 440 score points)		Girls scoring at Level 4 on the collaborative problem-solving scale (at or above 640 score points)	
		% dif.	S.E.	% dif.	S.E.	% dif.	S.E.	% dif.	S.E.	% dif.	S.E.	Relative risk	S.E.	Relative risk	S.E.	Relative risk	S.E.
OECD	Australia	4.4	(0.5)	7.9	(0.9)	2.1	(1.2)	-6.3	(1.3)	-8.0	(1.2)	3.1	(0.5)	1.9	(0.1)	1.7	(0.1)
	Austria	2.4	(0.8)	6.5	(1.7)	0.2	(1.7)	-6.2	(1.6)	-2.9	(1.2)	1.7	(0.4)	1.4	(0.1)	1.4	(0.2)
	Belgium	2.9	(0.7)	5.4	(1.4)	1.4	(1.4)	-6.2	(1.4)	-3.5	(0.9)	1.7	(0.2)	1.4	(0.1)	1.6	(0.2)
	Canada	3.0	(0.5)	8.0	(0.9)	3.9	(1.1)	-6.8	(1.1)	-8.1	(0.9)	2.6	(0.4)	1.9	(0.1)	1.7	(0.1)
	Chile	3.1	(1.2)	4.3	(2.1)	-4.6	(2.0)	-2.4	(1.2)	-0.4	(0.4)	1.5	(0.2)	1.2	(0.1)	1.4	(0.5)
	Czech Republic	3.8	(0.8)	6.7	(1.6)	-1.0	(1.9)	-7.5	(1.6)	-2.0	(0.9)	2.5	(0.5)	1.5	(0.1)	1.5	(0.2)
	Denmark	1.8	(0.6)	5.1	(1.5)	2.0	(2.3)	-5.9	(2.0)	-3.0	(1.1)	2.0	(0.5)	1.4	(0.1)	1.4	(0.2)
	Estonia	1.7	(0.5)	6.6	(1.2)	3.6	(1.7)	-7.2	(1.8)	-4.6	(1.2)	3.0	(1.0)	1.7	(0.1)	1.5	(0.1)
	Finland	3.6	(0.6)	10.8	(1.2)	5.6	(1.4)	-11.1	(1.6)	-8.9	(1.5)	3.3	(0.8)	2.4	(0.2)	1.9	(0.2)
	France	5.0	(0.9)	6.7	(1.7)	-2.3	(1.9)	-7.0	(1.9)	-2.4	(0.9)	2.1	(0.3)	1.5	(0.1)	1.5	(0.2)
	Germany	2.3	(0.5)	6.4	(1.2)	3.1	(1.4)	-6.4	(1.5)	-5.4	(1.0)	1.9	(0.3)	1.5	(0.1)	1.5	(0.1)
	Greece	7.0	(1.2)	7.0	(1.9)	-6.0	(1.9)	-7.0	(1.5)	-1.0	(0.6)	2.0	(0.2)	1.4	(0.1)	1.7	(0.5)
	Hungary	3.6	(1.2)	7.6	(2.2)	-2.8	(2.0)	-6.3	(1.8)	-2.1	(0.6)	1.5	(0.2)	1.4	(0.1)	1.9	(0.4)
	Iceland	3.9	(0.9)	7.1	(2.0)	-2.5	(2.4)	-5.9	(1.9)	-2.7	(1.1)	2.4	(0.5)	1.5	(0.1)	1.5	(0.3)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	4.8	(1.4)	3.7	(1.5)	-2.5	(1.8)	-4.2	(1.7)	-1.8	(1.0)	1.5	(0.2)	1.2	(0.1)	1.4	(0.3)
	Italy	4.5	(1.0)	5.5	(1.9)	-3.6	(1.9)	-4.5	(1.6)	-1.9	(0.8)	1.8	(0.2)	1.3	(0.1)	1.6	(0.3)
	Japan	1.1	(0.4)	5.3	(0.9)	7.1	(1.6)	-8.0	(1.7)	-5.4	(1.6)	2.6	(1.2)	1.9	(0.2)	1.5	(0.2)
	Korea	1.7	(0.5)	8.1	(1.4)	6.0	(1.9)	-10.8	(2.0)	-5.1	(1.3)	4.2	(1.7)	2.3	(0.3)	1.6	(0.2)
	Latvia	5.0	(0.9)	12.8	(1.7)	-3.5	(1.9)	-11.5	(1.7)	-2.9	(0.8)	2.7	(0.5)	1.8	(0.1)	2.2	(0.5)
	Luxembourg	4.0	(0.9)	6.1	(1.5)	-1.6	(2.1)	-6.2	(1.6)	-2.4	(0.9)	1.9	(0.3)	1.4	(0.1)	1.4	(0.2)
	Mexico	5.8	(1.0)	1.3	(1.7)	-6.5	(1.6)	-0.6	(0.9)	0.0	(0.2)	1.6	(0.1)	1.1	(0.0)	1.1	(0.7)
	Netherlands	2.4	(0.6)	7.4	(1.5)	1.0	(2.0)	-7.0	(1.7)	-3.8	(1.4)	2.1	(0.4)	1.6	(0.1)	1.5	(0.2)
	New Zealand	4.1	(0.7)	8.4	(1.6)	2.1	(1.6)	-6.9	(1.8)	-7.6	(1.4)	3.4	(0.9)	1.9	(0.2)	1.6	(0.2)
	Norway	4.0	(0.9)	8.1	(1.2)	-1.3	(1.7)	-7.7	(2.1)	-3.1	(0.8)	2.7	(0.6)	1.6	(0.1)	1.6	(0.2)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	3.0	(0.6)	5.5	(1.5)	-2.7	(1.8)	-4.8	(1.4)	-1.0	(0.8)	2.0	(0.3)	1.4	(0.1)	1.2	(0.2)
	Slovak Republic	4.2	(1.1)	10.4	(1.8)	-5.6	(1.9)	-7.1	(1.4)	-1.8	(0.7)	1.6	(0.2)	1.4	(0.1)	2.1	(0.5)
	Slovenia	3.3	(0.7)	10.5	(1.4)	1.2	(1.8)	-11.3	(1.7)	-3.7	(1.0)	2.2	(0.4)	1.8	(0.1)	1.8	(0.3)
	Spain	2.2	(0.7)	7.4	(1.2)	-1.0	(1.9)	-7.0	(1.7)	-1.5	(0.7)	1.7	(0.3)	1.5	(0.1)	1.4	(0.2)
	Sweden	4.2	(0.8)	11.3	(1.6)	0.9	(2.0)	-11.0	(1.5)	-5.4	(1.5)	2.7	(0.5)	1.9	(0.1)	1.9	(0.3)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	7.1	(1.8)	4.7	(2.3)	-8.1	(2.2)	-3.6	(1.0)	-0.1	(0.2)	1.6	(0.2)	1.2	(0.1)	m	m
	United Kingdom	2.7	(0.6)	7.2	(1.3)	3.5	(1.5)	-7.1	(1.4)	-6.3	(1.3)	1.9	(0.3)	1.6	(0.1)	1.7	(0.2)
	United States	3.6	(1.1)	5.8	(1.3)	-0.5	(1.7)	-5.4	(1.9)	-3.5	(1.3)	2.2	(0.5)	1.5	(0.1)	1.3	(0.1)
	OECD average	3.6	(0.2)	7.1	(0.3)	-0.4	(0.3)	-6.8	(0.3)	-3.5	(0.2)	2.2	(0.1)	1.6	(0.0)	1.6	(0.1)
Partners	Brazil	7.9	(1.0)	-0.6	(1.0)	-5.7	(1.1)	-1.4	(0.6)	-0.2	(0.2)	1.5	(0.1)	1.1	(0.0)	1.4	(0.5)
	B-S-J-G (China)	2.3	(0.8)	5.2	(1.5)	0.4	(1.5)	-4.7	(1.4)	-3.2	(0.8)	1.5	(0.2)	1.3	(0.1)	1.6	(0.2)
	Bulgaria	7.3	(1.4)	6.7	(1.5)	-6.4	(1.7)	-6.5	(1.5)	-1.2	(0.6)	1.6	(0.2)	1.3	(0.1)	1.8	(0.5)
	Colombia	2.4	(1.2)	1.4	(1.6)	-1.9	(1.6)	-1.7	(1.2)	-0.2	(0.3)	1.2	(0.1)	1.1	(0.0)	1.4	(0.7)
	Costa Rica	2.4	(0.9)	1.9	(1.5)	-3.6	(1.7)	-0.5	(1.1)	-0.2	(0.2)	1.3	(0.1)	1.1	(0.0)	1.4	(0.7)
	Croatia	4.7	(1.0)	8.0	(1.6)	-4.6	(1.8)	-7.1	(1.3)	-1.1	(0.6)	2.1	(0.3)	1.4	(0.1)	1.6	(0.4)
	Cyprus*	11.1	(1.0)	7.4	(1.9)	-10.4	(1.7)	-7.1	(1.1)	-1.1	(0.5)	2.5	(0.2)	1.5	(0.1)	2.3	(1.0)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	1.8	(0.5)	7.3	(1.2)	7.5	(2.1)	-8.7	(2.1)	-7.9	(1.4)	2.9	(1.0)	2.0	(0.2)	1.9	(0.2)
	Lithuania	6.2	(0.8)	6.8	(1.5)	-5.3	(1.7)	-10.6	(1.5)	-1.1	(0.6)	2.2	(0.2)	1.4	(0.1)	1.6	(0.4)
	Macao (China)	2.8	(0.5)	9.4	(1.2)	4.4	(1.9)	-10.6	(2.0)	-6.0	(1.2)	4.8	(2.0)	2.4	(0.2)	1.7	(0.2)
	Montenegro	9.5	(1.5)	3.6	(1.8)	-10.0	(1.9)	-3.0	(0.8)	-0.1	(0.2)	1.8	(0.2)	1.2	(0.0)	m	m
	Peru	2.1	(1.2)	1.6	(1.6)	-2.6	(1.6)	-1.0	(0.9)	0.0	(0.2)	1.1	(0.1)	1.1	(0.0)	1.0	(0.7)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	4.7	(1.0)	6.3	(1.9)	-3.4	(1.7)	-5.4	(1.5)	-2.2	(0.7)	1.9	(0.3)	1.4	(0.1)	1.9	(0.4)
	Singapore	1.2	(0.4)	4.1	(1.1)	2.7	(1.6)	-3.1	(2.0)	-5.0	(1.6)	2.3	(0.7)	1.6	(0.2)	1.3	(0.1)
	Chinese Taipei	2.2	(0.5)	7.0	(1.3)	2.9	(1.8)	-7.8	(1.8)	-4.2	(1.5)	2.5	(0.6)	1.7	(0.2)	1.6	(0.3)
	Thailand	9.9	(1.4)	6.8	(2.0)	-9.8	(1.8)	-5.9	(1.2)	-1.0	(0.4)	2.3	(0.3)	1.4	(0.1)	4.2	(2.4)
	Tunisia	7.0	(1.7)	-3.1	(1.9)	-3.7	(1.5)	-0.2	(0.3)	0.0	(0.0)	1.3	(0.1)	1.0	(0.0)	m	m
	United Arab Emirates	13.2	(1.4)	4.4	(1.6)	-12.0	(1.5)	-5.2	(1.2)	-0.4	(0.3)	2.4	(0.2)	1.4	(0.1)	1.3	(0.3)
	Uruguay	4.7	(1.4)	2.9	(1.5)	-4.2	(1.5)	-3.0	(1.3)	-0.4	(0.5)	1.4	(0.2)	1.2	(0.0)	1.3	(0.4)
	Malaysia**	5.8	(1.2)	5.5	(1.9)	-8.3	(1.7)	-2.8	(1.0)	-0.2	(0.2)	1.7	(0.2)	1.3	(0.0)	1.8	(1.0)

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/3]

Table V.4.3a Mean score and variation in collaborative problem-solving performance, by gender

		Boys																	
		Mean score		Standard deviation		Percentiles													
						5th		10th		25th		Median (50th)		75th		90th		95th	
		Mean score	S.E.	S.D.	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.
OECD	Australia	511	(2.5)	109	(1.4)	327	(3.9)	364	(3.9)	436	(3.8)	516	(3.5)	589	(2.7)	647	(3.0)	681	(3.4)
	Austria	498	(3.4)	99	(1.8)	334	(5.2)	367	(4.6)	427	(4.7)	499	(4.5)	570	(4.2)	627	(5.1)	657	(5.2)
	Belgium	489	(3.0)	99	(1.6)	323	(5.4)	358	(4.3)	421	(4.5)	492	(3.5)	559	(3.3)	613	(3.5)	643	(5.1)
	Canada	516	(2.8)	104	(1.3)	341	(4.1)	378	(3.4)	444	(3.9)	519	(3.4)	590	(3.6)	649	(3.8)	684	(4.6)
	Chile	450	(3.1)	85	(1.7)	312	(5.1)	340	(4.8)	390	(3.8)	449	(3.8)	510	(4.2)	563	(4.6)	592	(5.5)
	Czech Republic	486	(2.9)	93	(1.6)	329	(5.1)	362	(4.7)	421	(4.4)	489	(3.6)	552	(3.6)	606	(4.3)	635	(4.8)
	Denmark	509	(2.9)	92	(1.8)	356	(5.7)	389	(5.0)	448	(3.9)	512	(3.4)	573	(4.1)	625	(4.5)	656	(5.2)
	Estonia	522	(2.9)	92	(1.6)	367	(5.5)	402	(3.9)	459	(4.2)	525	(3.5)	587	(4.0)	640	(4.6)	669	(4.9)
	Finland	511	(3.2)	103	(1.7)	338	(6.1)	375	(4.9)	440	(4.0)	513	(3.9)	584	(3.8)	641	(4.6)	675	(6.1)
	France	480	(3.4)	103	(1.9)	311	(5.9)	343	(5.0)	406	(5.0)	483	(4.3)	553	(4.4)	612	(4.2)	643	(4.6)
	Germany	510	(3.4)	101	(1.6)	343	(5.0)	376	(4.9)	441	(4.4)	511	(3.9)	581	(3.9)	640	(4.6)	674	(4.9)
	Greece	444	(4.2)	93	(1.9)	294	(6.7)	324	(6.0)	378	(5.1)	443	(5.3)	510	(4.8)	567	(4.7)	598	(5.9)
	Hungary	459	(3.3)	94	(2.2)	308	(6.1)	338	(4.0)	391	(4.0)	459	(4.4)	528	(4.5)	582	(5.5)	612	(4.9)
	Iceland	485	(3.0)	96	(2.4)	328	(5.7)	359	(5.1)	417	(4.1)	486	(4.9)	554	(4.2)	609	(5.6)	640	(6.6)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	459	(4.3)	106	(2.2)	300	(4.2)	326	(5.0)	375	(4.9)	453	(6.0)	539	(5.8)	602	(6.1)	635	(6.6)
	Italy	466	(3.4)	98	(1.8)	306	(6.9)	340	(5.0)	398	(4.4)	466	(4.5)	536	(3.8)	592	(5.0)	623	(5.1)
	Japan	539	(3.6)	87	(2.0)	387	(6.8)	423	(6.0)	483	(4.5)	544	(4.0)	599	(3.8)	646	(4.8)	673	(6.1)
	Korea	522	(3.5)	87	(1.8)	371	(5.8)	406	(5.7)	465	(4.8)	528	(4.0)	584	(3.7)	631	(4.0)	657	(5.0)
	Latvia	465	(2.6)	90	(1.8)	320	(4.9)	349	(4.0)	400	(4.3)	464	(3.9)	527	(3.2)	581	(4.4)	613	(5.2)
	Luxembourg	478	(2.5)	101	(1.5)	316	(5.4)	348	(3.8)	405	(3.0)	477	(3.2)	549	(3.6)	611	(4.2)	644	(5.3)
	Mexico	426	(2.9)	82	(1.7)	297	(5.2)	323	(4.3)	367	(3.7)	425	(3.4)	483	(3.8)	534	(4.1)	563	(4.8)
	Netherlands	504	(3.0)	98	(1.9)	343	(5.2)	375	(4.8)	434	(4.1)	505	(3.8)	574	(3.9)	631	(4.8)	663	(6.5)
	New Zealand	513	(3.2)	108	(2.0)	332	(6.1)	367	(5.5)	437	(4.8)	516	(4.4)	590	(4.1)	651	(5.3)	686	(6.2)
	Norway	487	(3.0)	96	(2.2)	329	(6.4)	362	(5.1)	421	(4.1)	490	(3.8)	554	(4.3)	610	(5.0)	642	(6.9)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	489	(3.2)	94	(1.6)	331	(4.7)	364	(5.3)	424	(4.2)	492	(3.7)	556	(3.7)	607	(4.4)	638	(5.3)
	Slovak Republic	448	(2.8)	91	(1.7)	304	(4.9)	333	(4.0)	384	(3.5)	446	(3.8)	512	(3.9)	568	(4.6)	600	(5.5)
	Slovenia	484	(2.2)	93	(1.5)	332	(4.1)	363	(4.1)	419	(3.0)	485	(3.4)	550	(3.7)	605	(4.4)	636	(6.1)
	Spain	485	(2.7)	89	(1.4)	336	(5.1)	368	(3.9)	424	(3.5)	487	(3.2)	549	(3.6)	600	(3.6)	628	(3.9)
	Sweden	489	(4.0)	99	(2.2)	329	(5.3)	360	(5.1)	419	(4.4)	489	(4.6)	558	(4.9)	616	(6.3)	651	(7.6)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	411	(4.0)	77	(1.9)	289	(5.3)	314	(4.6)	356	(4.5)	408	(4.9)	464	(5.0)	513	(5.9)	541	(5.9)
	United Kingdom	503	(3.1)	102	(1.7)	336	(4.7)	370	(4.7)	432	(4.1)	503	(4.0)	573	(3.7)	634	(5.5)	669	(5.9)
	United States	507	(4.4)	111	(2.0)	326	(7.4)	360	(6.2)	428	(5.4)	508	(5.2)	586	(5.7)	651	(6.2)	688	(6.3)
	OECD average	486	(0.6)	96	(0.3)	328	(1.0)	360	(0.8)	418	(0.8)	487	(0.7)	554	(0.7)	609	(0.8)	641	(1.0)
Partners	Brazil	402	(2.5)	89	(1.3)	266	(2.8)	294	(2.7)	339	(2.2)	395	(3.0)	461	(3.6)	523	(4.3)	559	(4.9)
	B-S-J-G (China)	486	(3.9)	96	(2.3)	325	(6.3)	358	(5.5)	419	(5.5)	489	(4.3)	555	(4.8)	609	(5.6)	640	(6.8)
	Bulgaria	429	(4.6)	97	(2.0)	281	(6.4)	309	(5.0)	357	(4.8)	423	(5.9)	499	(6.0)	562	(5.6)	595	(6.0)
	Colombia	425	(2.9)	83	(1.7)	295	(5.3)	321	(3.8)	366	(3.5)	422	(3.4)	481	(4.2)	535	(4.3)	566	(5.0)
	Costa Rica	437	(2.8)	79	(1.8)	311	(4.6)	337	(3.6)	381	(3.3)	436	(3.4)	492	(3.4)	541	(4.6)	569	(6.1)
	Croatia	459	(3.3)	89	(1.8)	315	(5.8)	345	(4.9)	396	(4.6)	459	(3.8)	521	(3.9)	576	(5.1)	606	(4.7)
	Cyprus*	424	(2.0)	91	(1.8)	282	(3.7)	310	(2.7)	358	(2.6)	419	(3.4)	488	(4.2)	547	(4.5)	578	(5.8)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	523	(3.7)	91	(2.0)	365	(7.5)	401	(5.2)	464	(5.1)	528	(4.2)	587	(4.4)	636	(3.5)	665	(5.0)
	Lithuania	453	(2.9)	92	(1.7)	306	(4.2)	335	(3.4)	387	(3.6)	453	(4.0)	520	(3.9)	573	(4.3)	605	(5.3)
	Macao (China)	515	(1.9)	93	(1.5)	354	(5.1)	390	(4.3)	453	(2.6)	520	(2.9)	580	(3.0)	630	(4.0)	660	(4.9)
	Montenegro	403	(1.8)	79	(1.6)	281	(3.8)	305	(2.7)	346	(2.5)	399	(2.9)	457	(3.3)	508	(3.9)	537	(4.4)
	Peru	414	(2.8)	83	(1.9)	285	(4.2)	310	(3.4)	355	(2.7)	410	(3.3)	470	(4.0)	525	(5.6)	559	(6.3)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	460	(3.8)	93	(1.7)	311	(5.7)	341	(4.3)	396	(4.2)	459	(4.7)	524	(5.3)	582	(5.6)	614	(5.8)
	Singapore	552	(1.7)	99	(1.7)	378	(4.7)	418	(4.0)	486	(3.5)	558	(2.6)	622	(2.9)	674	(3.0)	704	(4.4)
	Chinese Taipei	513	(3.4)	92	(1.9)	353	(5.0)	390	(4.3)	452	(3.6)	517	(3.8)	577	(4.4)	628	(5.6)	657	(6.4)
	Thailand	416	(4.1)	81	(1.8)	293	(4.0)	316	(4.0)	357	(4.1)	410	(5.0)	470	(5.8)	526	(7.0)	558	(7.0)
	Tunisia	375	(2.3)	59	(1.7)	285	(3.6)	305	(3.2)	335	(2.8)	371	(2.6)	412	(3.2)	454	(4.4)	479	(5.2)
	United Arab Emirates	416	(2.9)	97	(1.5)	274	(4.9)	300	(3.7)	345	(3.1)	406	(3.5)	479	(4.3)	551	(4.3)	590	(5.6)
Uruguay	434	(3.3)	92	(1.9)	292	(5.0)	319	(3.7)	367	(3.5)	429	(3.8)	499	(4.8)	557	(5.3)	590	(5.9)	
Malaysia**	429	(3.6)	81	(2.1)	299	(4.7)	326	(4.0)	371	(4.0)	427	(4.4)	485	(4.8)	535	(5.7)	565	(6.1)	

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 2/3]

Table V.4.3a Mean score and variation in collaborative problem-solving performance, by gender

		Girls																	
		Mean score		Standard deviation		Percentiles													
						5th		10th		25th		Median (50th)		75th		90th		95th	
		Mean score	S.E.	S.D.	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.
OECD	Australia	552	(2.5)	100	(1.8)	379	(6.3)	420	(4.6)	486	(3.0)	556	(2.8)	622	(3.3)	678	(3.5)	710	(4.6)
	Austria	521	(3.4)	96	(2.2)	358	(6.8)	395	(5.4)	456	(4.5)	525	(4.3)	589	(3.8)	643	(5.3)	675	(5.6)
	Belgium	514	(2.9)	97	(1.8)	347	(5.3)	383	(4.5)	448	(4.0)	518	(3.2)	583	(3.4)	635	(3.8)	664	(4.7)
	Canada	555	(2.4)	100	(1.2)	384	(4.5)	424	(4.6)	489	(3.0)	557	(3.1)	623	(2.8)	681	(3.8)	717	(4.0)
	Chile	464	(3.1)	82	(1.6)	328	(4.5)	356	(3.9)	406	(3.8)	465	(4.0)	521	(4.0)	571	(4.5)	600	(5.6)
	Czech Republic	512	(2.7)	87	(1.8)	365	(5.4)	397	(4.3)	453	(4.3)	515	(3.1)	573	(3.3)	621	(4.1)	649	(4.9)
	Denmark	530	(3.3)	88	(1.5)	380	(5.5)	416	(4.7)	471	(4.2)	533	(3.8)	592	(3.8)	642	(4.6)	669	(6.1)
	Estonia	549	(2.7)	86	(1.6)	402	(4.7)	435	(4.4)	491	(3.2)	551	(3.8)	608	(4.0)	659	(4.2)	688	(4.9)
	Finland	559	(3.0)	94	(2.0)	397	(6.6)	436	(5.5)	499	(4.0)	565	(3.3)	623	(3.6)	675	(4.1)	706	(6.1)
	France	508	(2.8)	96	(1.7)	344	(4.5)	380	(3.9)	444	(4.0)	513	(3.5)	577	(3.6)	628	(4.3)	658	(5.4)
	Germany	540	(3.0)	98	(1.9)	372	(5.7)	409	(5.2)	474	(4.0)	543	(3.5)	608	(3.7)	663	(3.9)	696	(5.4)
	Greece	475	(3.7)	88	(1.7)	328	(6.3)	358	(5.4)	415	(4.3)	476	(4.8)	538	(4.5)	589	(4.7)	618	(5.1)
	Hungary	485	(2.8)	95	(1.9)	325	(6.2)	358	(4.9)	419	(4.2)	490	(3.7)	552	(3.6)	605	(4.2)	635	(4.5)
	Iceland	512	(2.6)	91	(2.4)	364	(5.5)	393	(4.8)	450	(4.1)	514	(3.4)	575	(4.3)	628	(5.6)	659	(6.7)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	481	(4.7)	104	(2.3)	316	(6.4)	345	(5.8)	401	(6.6)	480	(6.0)	558	(5.4)	616	(5.7)	650	(5.1)
	Italy	489	(3.4)	93	(2.1)	335	(4.9)	368	(5.2)	426	(4.9)	490	(3.9)	554	(4.0)	610	(5.3)	641	(6.6)
	Japan	565	(2.6)	80	(2.3)	424	(6.4)	461	(4.6)	516	(3.3)	571	(2.7)	619	(2.9)	662	(4.2)	687	(4.8)
	Korea	556	(3.3)	77	(1.8)	419	(6.1)	453	(5.8)	507	(4.3)	560	(3.3)	609	(3.9)	650	(3.6)	673	(4.8)
	Latvia	505	(2.9)	85	(1.8)	361	(6.0)	393	(4.8)	448	(3.8)	507	(4.0)	563	(3.9)	614	(4.3)	642	(5.0)
	Luxembourg	504	(1.9)	97	(1.7)	343	(5.3)	375	(4.0)	435	(3.1)	506	(3.4)	572	(2.5)	628	(3.3)	660	(4.8)
	Mexico	440	(2.7)	76	(1.7)	316	(4.4)	343	(3.9)	388	(3.4)	440	(3.7)	492	(3.5)	537	(4.2)	564	(4.6)
	Netherlands	531	(2.8)	93	(1.8)	372	(5.8)	407	(5.5)	468	(3.7)	534	(3.6)	597	(3.6)	648	(4.8)	680	(5.6)
	New Zealand	553	(3.0)	99	(2.0)	386	(6.5)	421	(4.4)	486	(4.5)	556	(3.5)	624	(4.8)	678	(5.0)	711	(6.1)
	Norway	518	(3.2)	89	(1.6)	371	(5.0)	402	(4.3)	458	(4.2)	518	(4.0)	579	(4.0)	631	(3.9)	662	(4.7)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	507	(2.7)	87	(1.6)	360	(5.1)	393	(4.3)	450	(3.4)	511	(3.3)	569	(3.7)	617	(4.1)	645	(4.8)
	Slovak Republic	478	(3.4)	92	(2.3)	320	(6.3)	356	(5.4)	416	(4.8)	480	(3.6)	542	(4.5)	596	(5.8)	627	(6.4)
	Slovenia	521	(2.2)	89	(2.1)	367	(5.9)	402	(4.9)	461	(3.5)	525	(3.0)	583	(3.9)	632	(3.8)	660	(6.3)
	Spain	508	(2.6)	86	(1.5)	359	(5.6)	394	(4.8)	452	(3.6)	512	(3.1)	567	(2.5)	614	(3.5)	640	(4.0)
	Sweden	531	(3.8)	93	(2.0)	371	(6.5)	408	(5.7)	469	(4.7)	535	(4.0)	596	(5.1)	647	(5.5)	678	(7.2)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	434	(4.1)	77	(2.1)	310	(5.2)	335	(4.9)	379	(4.8)	433	(4.8)	489	(4.7)	535	(4.7)	561	(6.3)
	United Kingdom	536	(3.3)	101	(1.6)	365	(5.9)	403	(5.2)	469	(4.4)	539	(3.7)	607	(3.6)	664	(4.6)	700	(5.3)
	United States	533	(4.0)	104	(2.4)	360	(5.1)	395	(5.3)	462	(5.1)	535	(4.6)	605	(4.5)	667	(5.9)	702	(6.4)
	OECD average	515	(0.5)	91	(0.3)	360	(1.0)	394	(0.9)	453	(0.7)	517	(0.7)	578	(0.7)	630	(0.8)	660	(1.0)
Partners	Brazil	421	(2.6)	85	(1.7)	289	(3.4)	315	(2.9)	360	(2.6)	416	(2.9)	477	(3.4)	534	(4.4)	568	(5.8)
	B-S-J-G (China)	508	(4.6)	96	(2.3)	344	(6.8)	380	(5.5)	443	(5.5)	510	(5.2)	575	(5.7)	630	(6.3)	661	(7.3)
	Bulgaria	461	(3.9)	96	(2.1)	304	(6.8)	333	(5.1)	390	(5.3)	461	(5.2)	531	(4.7)	586	(4.3)	616	(5.7)
	Colombia	433	(2.7)	83	(1.8)	304	(4.0)	329	(3.8)	374	(3.3)	430	(3.4)	490	(3.6)	543	(4.5)	575	(5.3)
	Costa Rica	445	(2.7)	76	(1.4)	321	(5.0)	349	(3.5)	393	(2.9)	444	(3.2)	496	(3.6)	544	(4.2)	572	(3.9)
	Croatia	486	(2.6)	84	(1.8)	346	(5.7)	376	(4.6)	429	(3.4)	488	(3.4)	545	(3.2)	592	(3.9)	621	(5.3)
	Cyprus*	464	(2.2)	87	(1.5)	324	(4.1)	353	(3.8)	404	(3.3)	463	(3.2)	524	(3.5)	577	(4.0)	608	(4.5)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	559	(3.4)	86	(1.9)	407	(7.1)	446	(5.6)	505	(4.2)	564	(3.9)	618	(3.6)	665	(4.3)	693	(5.1)
	Lithuania	482	(2.8)	87	(1.9)	338	(5.3)	370	(4.6)	421	(3.9)	484	(3.3)	543	(3.1)	592	(4.8)	621	(5.6)
	Macao (China)	553	(2.0)	82	(1.3)	412	(5.9)	447	(4.5)	499	(3.1)	556	(2.4)	610	(2.4)	654	(3.5)	681	(4.3)
	Montenegro	429	(2.0)	77	(1.5)	305	(4.2)	330	(3.3)	374	(2.4)	428	(2.9)	483	(3.0)	530	(3.6)	556	(4.3)
	Peru	421	(3.0)	83	(1.9)	289	(3.8)	315	(3.4)	361	(3.4)	419	(3.7)	479	(4.6)	533	(5.4)	562	(5.2)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	486	(3.9)	90	(2.2)	340	(7.2)	372	(5.1)	424	(4.7)	485	(4.5)	548	(5.3)	602	(5.8)	637	(7.2)
	Singapore	572	(2.1)	93	(1.6)	411	(5.3)	449	(4.0)	512	(3.1)	577	(2.7)	637	(3.1)	687	(4.5)	715	(4.8)
	Chinese Taipei	541	(3.4)	86	(1.9)	392	(4.7)	428	(4.8)	486	(4.5)	544	(3.7)	600	(4.3)	647	(5.0)	675	(5.4)
	Thailand	451	(3.6)	82	(2.2)	324	(4.9)	349	(3.8)	392	(3.8)	447	(4.2)	505	(4.6)	560	(5.7)	593	(7.7)
	Tunisia	387	(2.3)	58	(1.5)	297	(3.3)	316	(3.2)	346	(2.1)	384	(2.9)	424	(3.5)	463	(3.9)	489	(5.3)
	United Arab Emirates	454	(3.1)	89	(1.5)	314	(4.6)	341	(3.7)	390	(3.7)	452	(3.8)	515	(4.0)	571	(4.0)	603	(4.6)
	Uruguay	451	(2.7)	89	(1.5)	310	(5.0)	337	(3.4)	386	(3.1)	447	(3.3)	512	(3.3)	570	(4.2)	603	(5.5)
	Malaysia**	450	(3.4)	77	(1.6)	323	(4.6)	349	(4.0)	397	(4.1)	451	(3.9)	503	(4.2)	548	(4.7)	573	(4.9)

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 3/3]

Table V.4.3a Mean score and variation in collaborative problem-solving performance, by gender

		Gender difference (boys – girls)																	
		Mean score		Standard deviation		Percentiles													
						5th		10th		25th		Median (50th)		75th		90th		95th	
		Score dif.	S.E.	S.D. dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	-41	(3.1)	8	(1.9)	-52	(6.6)	-56	(5.3)	-50	(4.1)	-40	(4.1)	-33	(3.9)	-31	(4.2)	-29	(5.3)
	Austria	-24	(4.4)	3	(2.7)	-24	(8.5)	-28	(6.6)	-29	(6.2)	-26	(5.7)	-20	(5.3)	-17	(7.0)	-17	(7.2)
	Belgium	-25	(3.7)	1	(2.0)	-25	(6.0)	-25	(5.5)	-28	(5.4)	-26	(4.3)	-24	(4.7)	-21	(4.6)	-21	(6.1)
	Canada	-39	(2.6)	4	(1.6)	-43	(5.3)	-46	(5.1)	-45	(3.7)	-39	(3.5)	-33	(3.7)	-33	(4.6)	-33	(5.6)
	Chile	-14	(3.0)	3	(2.1)	-17	(6.9)	-15	(5.3)	-16	(4.3)	-16	(4.6)	-11	(4.1)	-8	(5.2)	-8	(5.8)
	Czech Republic	-26	(3.6)	7	(2.0)	-36	(6.5)	-36	(5.1)	-32	(5.5)	-26	(4.3)	-21	(5.0)	-16	(5.7)	-14	(7.5)
	Denmark	-21	(3.5)	4	(2.4)	-24	(7.9)	-26	(6.1)	-23	(5.0)	-21	(4.4)	-19	(5.1)	-17	(5.9)	-13	(6.7)
	Estonia	-27	(2.8)	6	(1.8)	-36	(6.1)	-33	(4.8)	-33	(4.5)	-26	(4.6)	-20	(4.2)	-19	(5.4)	-18	(5.9)
	Finland	-48	(3.6)	9	(2.4)	-59	(7.9)	-61	(6.1)	-59	(4.8)	-51	(4.1)	-39	(4.9)	-34	(6.0)	-32	(8.8)
	France	-29	(3.9)	7	(2.1)	-34	(7.3)	-37	(6.2)	-38	(6.2)	-30	(5.1)	-23	(4.7)	-17	(5.2)	-15	(7.2)
	Germany	-30	(3.2)	3	(2.1)	-29	(5.9)	-33	(5.6)	-33	(4.6)	-32	(4.1)	-27	(4.1)	-23	(4.9)	-22	(7.6)
	Greece	-31	(3.7)	5	(2.0)	-34	(7.7)	-35	(6.0)	-37	(5.2)	-33	(5.5)	-28	(5.6)	-22	(5.3)	-20	(7.0)
	Hungary	-26	(4.1)	-1	(2.2)	-16	(7.8)	-20	(6.2)	-28	(5.9)	-32	(5.5)	-24	(5.4)	-23	(6.7)	-23	(6.5)
	Iceland	-27	(3.4)	6	(2.9)	-35	(7.4)	-34	(7.0)	-32	(5.5)	-28	(5.6)	-21	(5.5)	-19	(6.5)	-18	(8.0)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	-22	(5.4)	2	(2.6)	-16	(7.2)	-19	(6.7)	-27	(6.9)	-27	(7.1)	-19	(7.0)	-15	(7.9)	-15	(7.9)
	Italy	-23	(4.5)	4	(2.4)	-29	(7.9)	-29	(7.1)	-28	(6.1)	-24	(5.4)	-18	(5.3)	-17	(7.2)	-18	(7.8)
	Japan	-26	(3.7)	7	(2.4)	-38	(8.2)	-37	(6.1)	-33	(4.8)	-27	(4.3)	-21	(4.3)	-16	(6.7)	-14	(6.7)
	Korea	-33	(4.4)	10	(2.3)	-48	(8.3)	-47	(7.8)	-43	(6.4)	-32	(5.1)	-25	(5.2)	-19	(4.9)	-16	(6.1)
	Latvia	-40	(3.2)	4	(2.3)	-42	(8.0)	-44	(5.8)	-48	(4.9)	-43	(5.0)	-36	(4.7)	-33	(5.5)	-29	(6.3)
	Luxembourg	-25	(3.3)	4	(2.4)	-27	(7.1)	-27	(5.9)	-30	(4.7)	-28	(5.0)	-22	(4.4)	-17	(5.5)	-16	(6.7)
	Mexico	-14	(2.9)	6	(1.6)	-19	(6.2)	-20	(4.3)	-22	(3.7)	-15	(3.7)	-9	(3.8)	-3	(5.0)	-1	(6.2)
	Netherlands	-27	(3.3)	5	(2.3)	-28	(6.7)	-32	(5.7)	-34	(4.6)	-29	(4.8)	-23	(4.5)	-18	(6.5)	-17	(7.8)
	New Zealand	-41	(3.8)	9	(2.4)	-53	(8.3)	-54	(6.1)	-49	(6.3)	-40	(5.2)	-33	(5.2)	-26	(6.5)	-25	(9.1)
	Norway	-30	(3.7)	7	(2.3)	-42	(7.6)	-40	(6.1)	-37	(5.3)	-29	(4.8)	-25	(5.4)	-21	(5.1)	-20	(7.3)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	-19	(2.8)	7	(1.9)	-29	(5.9)	-29	(5.8)	-26	(4.5)	-18	(3.8)	-13	(3.7)	-9	(5.0)	-7	(5.9)
	Slovak Republic	-30	(4.2)	-1	(2.7)	-16	(7.1)	-23	(6.4)	-32	(6.4)	-35	(5.2)	-30	(5.4)	-28	(6.6)	-27	(8.0)
	Slovenia	-36	(2.6)	3	(2.4)	-35	(7.5)	-39	(5.9)	-43	(4.5)	-40	(4.4)	-33	(5.3)	-28	(5.5)	-24	(7.9)
	Spain	-22	(3.0)	3	(1.9)	-23	(7.4)	-27	(5.3)	-28	(3.7)	-25	(3.7)	-18	(3.8)	-14	(4.7)	-12	(5.1)
	Sweden	-42	(3.9)	6	(2.3)	-43	(7.4)	-48	(6.4)	-51	(4.8)	-46	(4.8)	-38	(5.6)	-31	(6.6)	-27	(9.0)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	-23	(4.3)	0	(2.4)	-20	(7.2)	-21	(6.3)	-23	(5.4)	-25	(5.3)	-25	(4.6)	-22	(5.3)	-20	(7.3)
	United Kingdom	-34	(3.5)	1	(2.4)	-30	(7.0)	-33	(5.7)	-36	(4.8)	-36	(4.2)	-34	(4.2)	-29	(7.1)	-31	(7.8)
	United States	-26	(4.3)	7	(2.8)	-33	(8.5)	-35	(7.9)	-34	(6.0)	-27	(4.9)	-19	(5.5)	-15	(6.5)	-14	(7.1)
	OECD average	-29	(0.6)	5	(0.4)	-32	(1.3)	-34	(1.1)	-35	(0.9)	-30	(0.8)	-24	(0.9)	-21	(1.0)	-19	(1.3)
Partners	Brazil	-18	(2.3)	4	(1.4)	-23	(4.2)	-21	(3.5)	-21	(2.6)	-20	(3.1)	-16	(3.5)	-11	(3.8)	-9	(5.0)
	B-S-J-G (China)	-22	(3.2)	0	(2.0)	-19	(7.3)	-22	(5.4)	-24	(5.4)	-21	(4.2)	-21	(4.1)	-22	(5.3)	-21	(6.2)
	Bulgaria	-31	(4.2)	1	(2.4)	-23	(7.7)	-24	(5.7)	-33	(5.2)	-38	(5.9)	-32	(6.5)	-24	(6.2)	-21	(7.9)
	Colombia	-8	(3.3)	0	(1.9)	-8	(5.9)	-8	(4.4)	-8	(4.0)	-8	(4.0)	-8	(4.9)	-9	(6.0)	-9	(6.9)
	Costa Rica	-7	(2.7)	3	(1.9)	-10	(6.3)	-11	(4.0)	-12	(3.3)	-8	(3.5)	-4	(4.0)	-3	(5.4)	-3	(5.8)
	Croatia	-27	(3.3)	5	(2.1)	-31	(7.0)	-31	(5.3)	-33	(4.9)	-29	(4.4)	-24	(4.3)	-17	(6.0)	-15	(6.5)
	Cyprus*	-40	(2.4)	5	(2.1)	-42	(5.9)	-43	(4.2)	-46	(3.8)	-44	(3.9)	-35	(4.1)	-30	(6.0)	-29	(6.9)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	-36	(4.4)	5	(2.6)	-43	(9.5)	-44	(6.9)	-41	(5.7)	-36	(5.3)	-32	(5.4)	-29	(5.2)	-27	(7.5)
	Lithuania	-29	(3.1)	5	(2.0)	-32	(5.9)	-35	(4.7)	-34	(4.4)	-32	(4.4)	-23	(4.0)	-19	(5.0)	-16	(6.6)
	Macao (China)	-38	(2.9)	11	(2.0)	-58	(7.7)	-56	(7.0)	-46	(4.2)	-37	(3.8)	-30	(4.0)	-24	(5.6)	-21	(6.4)
	Montenegro	-26	(2.9)	1	(1.8)	-24	(5.4)	-25	(4.5)	-28	(3.6)	-29	(4.8)	-26	(3.9)	-21	(4.4)	-19	(5.4)
	Peru	-7	(3.0)	0	(1.9)	-4	(5.0)	-5	(4.1)	-7	(3.7)	-8	(3.9)	-9	(4.5)	-8	(5.7)	-3	(6.7)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	-25	(3.9)	3	(2.7)	-29	(7.7)	-31	(6.0)	-27	(5.3)	-26	(4.6)	-23	(5.2)	-20	(7.5)	-23	(8.1)
	Singapore	-20	(2.9)	7	(2.4)	-33	(7.1)	-30	(6.1)	-26	(5.1)	-19	(3.9)	-15	(4.8)	-13	(5.5)	-10	(6.7)
	Chinese Taipei	-28	(4.9)	6	(2.3)	-39	(6.5)	-38	(5.4)	-34	(5.7)	-27	(5.1)	-23	(6.2)	-20	(7.5)	-18	(8.2)
	Thailand	-35	(3.6)	-1	(2.4)	-31	(5.7)	-32	(4.3)	-35	(3.9)	-37	(4.9)	-35	(5.6)	-34	(7.0)	-34	(9.0)
	Tunisia	-12	(2.4)	1	(1.5)	-11	(4.3)	-11	(3.5)	-11	(2.8)	-13	(3.4)	-12	(4.0)	-9	(4.7)	-10	(5.1)
	United Arab Emirates	-38	(4.1)	8	(2.3)	-41	(5.7)	-41	(5.1)	-45	(4.7)	-46	(4.9)	-36	(5.8)	-20	(6.2)	-13	(7.7)
	Uruguay	-17	(3.9)	3	(2.1)	-18	(7.4)	-18	(5.4)	-20	(4.7)	-18	(4.8)	-13	(4.9)	-13	(6.0)	-13	(6.6)
	Malaysia**	-21	(2.7)	5	(1.5)	-24	(4.8)	-23	(3.9)	-25	(3.7)	-24	(3.9)	-19	(4.4)	-13	(4.4)	-8	(4.9)

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.4.3b Gender differences in relative performance in collaborative problem solving*After accounting for performance in science, reading and mathematics*

		Score-point difference in relative performance ¹ in collaborative problem solving (boys – girls)			
		Before accounting for students' socio-economic status		After accounting for students' socio-economic status	
		Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	-34	(2.8)	-34	(2.8)
	Austria	-31	(3.3)	-31	(3.3)
	Belgium	-30	(2.3)	-30	(2.3)
	Canada	-33	(2.2)	-33	(2.2)
	Chile	-21	(2.2)	-21	(2.2)
	Czech Republic	-29	(3.2)	-29	(3.2)
	Denmark	-21	(3.1)	-22	(3.1)
	Estonia	-26	(2.5)	-26	(2.7)
	Finland	-28	(3.5)	-28	(3.6)
	France	-25	(3.2)	-25	(3.2)
	Germany	-35	(2.6)	-37	(2.7)
	Greece	-20	(2.4)	-20	(2.3)
	Hungary	-24	(3.1)	-24	(3.1)
	Iceland	-15	(2.8)	-14	(2.8)
	Ireland	m	m	m	m
	Israel	-22	(2.9)	-24	(3.1)
	Italy	-34	(2.7)	-34	(2.8)
	Japan	-28	(2.8)	-29	(2.8)
	Korea	-18	(3.3)	-18	(3.3)
	Latvia	-25	(2.5)	-25	(2.5)
	Luxembourg	-24	(3.2)	-24	(3.2)
	Mexico	-15	(2.5)	-16	(2.5)
	Netherlands	-21	(2.5)	-22	(2.6)
	New Zealand	-39	(3.2)	-39	(3.4)
	Norway	-24	(3.2)	-24	(3.4)
	Poland	m	m	m	m
	Portugal	-20	(2.5)	-19	(2.4)
	Slovak Republic	-21	(3.4)	-21	(3.3)
	Slovenia	-24	(2.9)	-24	(2.8)
	Spain	-23	(2.4)	-23	(2.4)
	Sweden	-27	(3.0)	-27	(3.1)
	Switzerland	m	m	m	m
	Turkey	-17	(3.3)	-17	(3.2)
	United Kingdom	-30	(2.3)	-30	(2.5)
	United States	-27	(4.0)	-27	(3.9)
	OECD average	-25	(0.5)	-25	(0.5)
Partners	Brazil	-15	(2.5)	-15	(2.4)
	B-S-J-G (China)	-25	(2.8)	-25	(2.7)
	Bulgaria	-13	(2.5)	-13	(2.5)
	Colombia	-16	(2.4)	-16	(2.5)
	Costa Rica	-13	(3.3)	-13	(3.3)
	Croatia	-23	(2.2)	-24	(2.4)
	Cyprus*	-21	(2.3)	-21	(2.4)
	Dominican Republic	m	m	m	m
	Hong Kong (China)	-27	(2.8)	-28	(2.8)
	Lithuania	-19	(2.8)	-20	(2.8)
	Macao (China)	-23	(2.4)	-23	(2.4)
	Montenegro	-19	(2.6)	-19	(2.6)
	Peru	-11	(2.0)	-11	(1.9)
	Qatar	m	m	m	m
	Russia	-21	(2.9)	-21	(2.9)
	Singapore	-19	(2.4)	-19	(2.5)
	Chinese Taipei	-24	(2.5)	-24	(2.6)
	Thailand	-22	(2.5)	-24	(2.4)
	Tunisia	-13	(2.2)	-14	(2.2)
	United Arab Emirates	-14	(2.9)	-15	(3.0)
	Uruguay	-20	(2.9)	-20	(2.9)
	Malaysia**	-14	(2.3)	-15	(2.4)

1. Relative performance refers to the residual performance, attributable to purely “collaborative problem-solving” competencies, after accounting for performance in science, reading and mathematics in a regression performed across students at the national level.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/2]

Table V.4.6a Performance in collaborative problem solving, by students' socio-economic status

		National quarters of student ESCS									
		Mean ESCS ¹		Bottom quarter		Second quarter		Third quarter		Top quarter	
		Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.
OECD	Australia	0.27	(0.01)	-0.81	(0.02)	0.06	(0.01)	0.65	(0.01)	1.18	(0.01)
	Austria	0.09	(0.02)	-0.97	(0.03)	-0.24	(0.02)	0.37	(0.03)	1.21	(0.02)
	Belgium	0.16	(0.02)	-1.05	(0.03)	-0.13	(0.03)	0.59	(0.03)	1.25	(0.02)
	Canada	0.53	(0.02)	-0.58	(0.02)	0.34	(0.02)	0.91	(0.02)	1.46	(0.01)
	Chile	-0.49	(0.03)	-1.86	(0.04)	-0.92	(0.03)	-0.12	(0.04)	0.96	(0.03)
	Czech Republic	-0.21	(0.01)	-1.19	(0.02)	-0.53	(0.02)	0.04	(0.02)	0.85	(0.02)
	Denmark	0.59	(0.02)	-0.64	(0.03)	0.41	(0.03)	1.07	(0.02)	1.53	(0.01)
	Estonia	0.05	(0.01)	-0.96	(0.02)	-0.25	(0.02)	0.39	(0.02)	1.01	(0.01)
	Finland	0.25	(0.02)	-0.73	(0.02)	-0.02	(0.03)	0.60	(0.03)	1.17	(0.02)
	France	-0.14	(0.02)	-1.17	(0.02)	-0.42	(0.02)	0.19	(0.02)	0.85	(0.02)
	Germany	0.12	(0.02)	-1.07	(0.02)	-0.24	(0.02)	0.43	(0.03)	1.36	(0.02)
	Greece	-0.08	(0.03)	-1.31	(0.03)	-0.47	(0.04)	0.32	(0.04)	1.14	(0.02)
	Hungary	-0.23	(0.02)	-1.44	(0.02)	-0.62	(0.03)	0.13	(0.03)	1.02	(0.02)
	Iceland	0.73	(0.01)	-0.28	(0.02)	0.57	(0.02)	1.10	(0.01)	1.55	(0.01)
	Ireland	0.16	(0.02)	-0.94	(0.02)	-0.15	(0.03)	0.52	(0.03)	1.21	(0.02)
	Israel	0.16	(0.03)	-0.99	(0.05)	0.00	(0.04)	0.55	(0.02)	1.10	(0.02)
	Italy	-0.07	(0.02)	-1.31	(0.02)	-0.38	(0.02)	0.27	(0.02)	1.16	(0.02)
	Japan	-0.18	(0.01)	-1.10	(0.02)	-0.44	(0.02)	0.08	(0.02)	0.72	(0.01)
	Korea	-0.20	(0.02)	-1.06	(0.02)	-0.45	(0.03)	0.04	(0.03)	0.68	(0.03)
	Latvia	-0.44	(0.02)	-1.62	(0.02)	-0.82	(0.03)	-0.03	(0.03)	0.72	(0.02)
	Luxembourg	0.07	(0.01)	-1.42	(0.02)	-0.26	(0.02)	0.56	(0.02)	1.41	(0.01)
	Mexico	-1.22	(0.04)	-2.73	(0.04)	-1.73	(0.04)	-0.86	(0.05)	0.42	(0.05)
	Netherlands	0.16	(0.02)	-0.85	(0.03)	-0.07	(0.02)	0.50	(0.02)	1.07	(0.02)
	New Zealand	0.17	(0.02)	-0.89	(0.02)	-0.06	(0.02)	0.52	(0.02)	1.09	(0.02)
	Norway	0.48	(0.02)	-0.53	(0.03)	0.33	(0.02)	0.82	(0.02)	1.31	(0.01)
	Poland	-0.39	(0.02)	-1.34	(0.02)	-0.81	(0.02)	-0.18	(0.03)	0.75	(0.02)
	Portugal	-0.39	(0.03)	-1.83	(0.02)	-0.88	(0.03)	0.00	(0.05)	1.16	(0.03)
	Slovak Republic	-0.11	(0.02)	-1.24	(0.04)	-0.47	(0.02)	0.18	(0.03)	1.10	(0.02)
	Slovenia	0.03	(0.01)	-1.04	(0.01)	-0.30	(0.02)	0.40	(0.02)	1.07	(0.01)
	Spain	-0.51	(0.04)	-2.05	(0.03)	-0.98	(0.04)	-0.04	(0.05)	1.03	(0.03)
	Sweden	0.33	(0.02)	-0.78	(0.03)	0.12	(0.03)	0.72	(0.02)	1.27	(0.01)
	Switzerland	0.14	(0.02)	-1.05	(0.03)	-0.18	(0.03)	0.50	(0.03)	1.30	(0.02)
	Turkey	-1.43	(0.05)	-2.87	(0.04)	-1.91	(0.05)	-1.06	(0.06)	0.14	(0.07)
	United Kingdom	0.21	(0.02)	-0.92	(0.02)	-0.09	(0.03)	0.58	(0.03)	1.27	(0.02)
	United States	0.10	(0.04)	-1.25	(0.06)	-0.18	(0.04)	0.55	(0.04)	1.29	(0.02)
	OECD average-32	-0.04	(0.00)	-1.20	(0.00)	-0.34	(0.00)	0.33	(0.01)	1.08	(0.00)
	OECD average-35	-0.04	(0.00)	-1.20	(0.00)	-0.35	(0.00)	0.32	(0.01)	1.08	(0.00)
Partners	Brazil	-0.96	(0.03)	-2.43	(0.03)	-1.36	(0.03)	-0.61	(0.03)	0.57	(0.04)
	B-S-J-G (China)	-1.07	(0.04)	-2.36	(0.03)	-1.57	(0.03)	-0.83	(0.06)	0.47	(0.07)
	Bulgaria	-0.08	(0.03)	-1.37	(0.04)	-0.46	(0.04)	0.37	(0.04)	1.14	(0.02)
	Colombia	-0.99	(0.04)	-2.41	(0.04)	-1.36	(0.03)	-0.62	(0.04)	0.44	(0.05)
	Costa Rica	-0.80	(0.04)	-2.29	(0.03)	-1.23	(0.04)	-0.41	(0.05)	0.73	(0.03)
	Croatia	-0.24	(0.02)	-1.22	(0.02)	-0.59	(0.02)	-0.03	(0.03)	0.89	(0.02)
	Cyprus*	0.20	(0.01)	-1.02	(0.01)	-0.15	(0.02)	0.62	(0.02)	1.33	(0.01)
	Dominican Republic	-0.90	(0.03)	-2.23	(0.04)	-1.27	(0.03)	-0.57	(0.03)	0.46	(0.03)
	Hong Kong (China)	-0.53	(0.03)	-1.73	(0.02)	-0.91	(0.03)	-0.18	(0.04)	0.69	(0.03)
	Lithuania	-0.06	(0.02)	-1.24	(0.02)	-0.37	(0.03)	0.38	(0.03)	0.97	(0.02)
	Macao (China)	-0.54	(0.01)	-1.59	(0.02)	-0.87	(0.01)	-0.30	(0.01)	0.60	(0.01)
	Montenegro	-0.18	(0.01)	-1.23	(0.01)	-0.48	(0.01)	0.13	(0.01)	0.88	(0.01)
	Peru	-1.08	(0.04)	-2.56	(0.03)	-1.58	(0.04)	-0.73	(0.05)	0.55	(0.05)
	Qatar	0.58	(0.01)	-0.47	(0.01)	0.47	(0.01)	0.89	(0.01)	1.42	(0.01)
	Russia	0.05	(0.02)	-0.95	(0.03)	-0.20	(0.03)	0.40	(0.03)	0.95	(0.02)
	Singapore	0.03	(0.01)	-1.22	(0.02)	-0.20	(0.02)	0.45	(0.02)	1.09	(0.01)
	Chinese Taipei	-0.21	(0.02)	-1.28	(0.02)	-0.51	(0.02)	0.11	(0.03)	0.84	(0.02)
	Thailand	-1.23	(0.04)	-2.53	(0.02)	-1.70	(0.03)	-0.98	(0.04)	0.29	(0.07)
	Tunisia	-0.83	(0.03)	-2.31	(0.04)	-1.24	(0.03)	-0.48	(0.04)	0.69	(0.04)
	United Arab Emirates	0.50	(0.01)	-0.49	(0.03)	0.37	(0.02)	0.79	(0.01)	1.32	(0.01)
	Uruguay	-0.78	(0.02)	-2.12	(0.02)	-1.25	(0.02)	-0.46	(0.03)	0.71	(0.04)
	Malaysia**	-0.47	(0.04)	-1.82	(0.04)	-0.91	(0.04)	-0.12	(0.05)	0.96	(0.04)

1. ESCS refers to the PISA index of economic, social and cultural status.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 2/2]

Table V.4.6a Performance in collaborative problem solving, by students' socio-economic status

		Performance in collaborative problem solving, by national quarter of student ESCS ¹										When accounting for students' socio-economic status					
		Mean		Bottom quarter		Second quarter		Third quarter		Top quarter		Difference (top - bottom quarter)		Change in collaborative problem-solving performance per unit of student ESCS		Explained variance in student performance (r-squared × 100)	
Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Score dif.	S.E.	Score dif.	S.E.	%	S.E.		
OECD	Australia	531 (1.9)	498 (2.8)	522 (3.0)	544 (3.0)	570 (3.4)	72 (4.4)	35 (1.9)	6.7 (0.8)								
	Austria	509 (2.6)	474 (3.9)	497 (4.0)	523 (3.2)	548 (4.4)	74 (5.4)	35 (2.1)	9.0 (1.1)								
	Belgium	501 (2.4)	458 (3.9)	486 (3.0)	517 (3.3)	548 (3.7)	89 (5.2)	39 (2.0)	12.8 (1.2)								
	Canada	535 (2.3)	504 (3.3)	528 (2.9)	548 (3.5)	567 (3.1)	63 (4.1)	29 (1.7)	5.3 (0.6)								
	Chile	457 (2.7)	420 (3.6)	455 (4.1)	461 (3.8)	496 (4.0)	76 (5.0)	26 (1.5)	11.3 (1.3)								
	Czech Republic	499 (2.2)	461 (4.4)	488 (3.6)	509 (3.5)	539 (3.2)	78 (6.1)	38 (2.6)	11.2 (1.4)								
	Denmark	520 (2.5)	493 (3.5)	511 (3.6)	527 (4.1)	551 (3.8)	58 (4.8)	25 (2.0)	6.0 (0.9)								
	Estonia	535 (2.5)	508 (3.9)	529 (4.1)	542 (3.6)	565 (3.1)	56 (4.6)	26 (2.1)	5.0 (0.8)								
	Finland	534 (2.6)	504 (4.4)	522 (4.1)	543 (4.1)	566 (4.0)	62 (5.9)	33 (2.7)	5.8 (0.9)								
	France	494 (2.4)	454 (3.5)	480 (3.9)	508 (3.8)	543 (4.1)	90 (5.0)	44 (2.1)	12.3 (1.1)								
	Germany	525 (2.8)	497 (4.5)	524 (4.1)	539 (4.1)	571 (4.2)	74 (5.6)	29 (2.0)	7.6 (1.0)								
	Greece	459 (3.6)	427 (4.9)	448 (4.7)	465 (4.9)	497 (4.5)	71 (5.6)	28 (2.0)	8.3 (1.1)								
	Hungary	472 (2.4)	425 (3.8)	462 (4.0)	479 (3.9)	524 (3.9)	99 (5.5)	40 (1.9)	15.9 (1.3)								
	Iceland	499 (2.3)	485 (4.4)	494 (4.4)	508 (4.1)	515 (4.1)	29 (5.4)	17 (2.9)	1.7 (0.6)								
	Ireland	m	m	m	m	m	m	m	m	m							
	Israel	469 (3.6)	422 (5.4)	460 (4.9)	495 (5.5)	505 (4.5)	83 (7.0)	38 (2.9)	9.4 (1.4)								
	Italy	478 (2.5)	445 (4.3)	474 (3.5)	488 (3.5)	510 (3.7)	65 (5.4)	26 (1.9)	6.7 (1.0)								
	Japan	552 (2.7)	524 (3.5)	548 (3.7)	559 (3.7)	577 (3.1)	52 (4.0)	27 (2.0)	5.2 (0.7)								
	Korea	538 (2.5)	515 (3.5)	530 (3.4)	546 (3.9)	563 (4.2)	49 (5.3)	28 (2.6)	5.1 (1.0)								
	Latvia	485 (2.3)	458 (3.5)	476 (3.7)	494 (4.1)	513 (3.5)	55 (5.0)	23 (2.1)	5.6 (0.9)								
	Luxembourg	491 (1.5)	448 (3.3)	480 (3.3)	501 (3.1)	541 (3.1)	93 (4.4)	30 (1.4)	11.3 (0.9)								
	Mexico	433 (2.5)	400 (3.6)	423 (3.2)	443 (3.9)	468 (3.8)	68 (5.1)	22 (1.4)	11.1 (1.4)								
	Netherlands	518 (2.4)	489 (3.5)	504 (3.7)	525 (3.7)	555 (4.5)	66 (5.8)	33 (2.7)	6.6 (1.1)								
	New Zealand	533 (2.4)	496 (4.8)	528 (4.8)	547 (4.0)	572 (4.2)	76 (6.9)	37 (3.2)	7.4 (1.2)								
	Norway	502 (2.5)	479 (3.5)	497 (3.7)	512 (4.2)	527 (3.6)	47 (4.2)	25 (2.1)	3.8 (0.6)								
	Poland	m	m	m	m	m	m	m	m	m							
	Portugal	498 (2.6)	465 (3.7)	489 (3.7)	502 (4.4)	538 (4.5)	73 (5.4)	23 (1.7)	8.8 (1.3)								
	Slovak Republic	463 (2.4)	427 (4.2)	455 (2.8)	470 (3.3)	503 (4.4)	76 (5.9)	30 (2.1)	9.7 (1.2)								
	Slovenia	502 (1.8)	472 (3.7)	487 (3.4)	512 (3.3)	538 (2.9)	67 (5.0)	32 (2.1)	8.0 (1.0)								
	Spain	496 (2.1)	469 (3.5)	486 (3.2)	505 (3.2)	528 (3.2)	59 (4.5)	20 (1.3)	7.0 (0.9)								
	Sweden	510 (3.4)	477 (3.5)	497 (4.0)	527 (4.3)	546 (5.9)	69 (5.9)	33 (2.5)	7.7 (1.1)								
	Switzerland	m	m	m	m	m	m	m	m	m							
	Turkey	422 (3.4)	398 (4.8)	416 (4.1)	424 (4.0)	453 (6.4)	55 (7.4)	19 (2.0)	7.9 (1.7)								
	United Kingdom	519 (2.7)	489 (3.6)	503 (4.6)	532 (3.7)	559 (4.2)	69 (5.2)	30 (2.2)	6.3 (0.9)								
	United States	520 (3.6)	486 (4.4)	503 (4.3)	533 (6.0)	565 (5.3)	79 (6.5)	29 (2.1)	7.5 (1.0)								
OECD average-32	500 (0.5)	468 (0.7)	491 (0.7)	510 (0.7)	536 (0.7)	69 (1.0)	30 (0.4)	7.9 (0.2)									
OECD average-35	m	m	m	m	m	m	m	m	m								
Partners	Brazil	412 (2.3)	384 (2.6)	403 (2.5)	414 (3.3)	454 (4.7)	70 (5.0)	23 (1.4)	9.5 (1.1)								
	B-S-J-G (China)	496 (4.0)	447 (4.8)	485 (5.4)	504 (4.5)	549 (7.4)	101 (8.6)	35 (2.4)	15.9 (2.2)								
	Bulgaria	444 (3.9)	398 (5.5)	429 (4.9)	460 (4.9)	495 (4.4)	97 (6.4)	37 (2.1)	14.2 (1.4)								
	Colombia	429 (2.3)	392 (3.2)	414 (3.2)	436 (3.2)	474 (4.8)	82 (6.0)	29 (1.7)	14.8 (1.8)								
	Costa Rica	441 (2.4)	416 (3.3)	427 (3.1)	444 (3.7)	478 (4.1)	63 (5.1)	21 (1.6)	10.0 (1.4)								
	Croatia	473 (2.5)	446 (3.6)	461 (3.7)	475 (3.5)	511 (4.2)	64 (5.2)	31 (2.1)	8.6 (1.0)								
	Cyprus*	444 (1.7)	423 (3.4)	436 (3.3)	447 (3.3)	473 (3.9)	50 (5.2)	20 (2.1)	4.1 (0.8)								
	Dominican Republic	m	m	m	m	m	m	m	m	m							
	Hong Kong (China)	541 (2.9)	525 (3.9)	539 (4.0)	542 (4.2)	560 (4.7)	35 (6.0)	14 (2.2)	2.1 (0.6)								
	Lithuania	467 (2.5)	434 (3.3)	455 (3.1)	479 (4.5)	505 (3.7)	71 (4.9)	31 (2.2)	8.5 (1.1)								
	Macao (China)	534 (1.2)	524 (3.0)	535 (2.7)	536 (3.2)	541 (3.0)	17 (4.5)	8 (1.9)	0.6 (0.3)								
	Montenegro	416 (1.3)	395 (2.2)	412 (2.6)	420 (2.5)	438 (2.4)	43 (3.5)	19 (1.4)	4.1 (0.6)								
	Peru	418 (2.5)	364 (2.7)	409 (3.8)	431 (3.7)	467 (4.7)	103 (5.5)	32 (1.6)	21.6 (1.8)								
	Qatar	m	m	m	m	m	m	m	m	m							
	Russia	473 (3.4)	440 (4.4)	468 (5.0)	489 (5.2)	502 (4.2)	62 (5.4)	31 (2.7)	6.3 (1.0)								
	Singapore	561 (1.2)	519 (2.7)	552 (2.8)	575 (3.1)	600 (3.2)	81 (4.2)	33 (1.7)	9.8 (0.9)								
	Chinese Taipei	527 (2.5)	495 (3.8)	517 (3.2)	535 (3.8)	560 (4.2)	65 (5.8)	30 (2.5)	7.5 (1.1)								
	Thailand	436 (3.5)	414 (4.0)	419 (3.6)	436 (4.4)	477 (7.7)	64 (8.7)	24 (2.5)	9.7 (2.0)								
	Tunisia	382 (1.9)	363 (2.4)	372 (2.6)	381 (2.8)	412 (4.1)	48 (4.5)	16 (1.5)	9.2 (1.5)								
	United Arab Emirates	435 (2.4)	402 (3.2)	430 (3.8)	453 (3.0)	459 (3.1)	58 (3.8)	28 (1.8)	4.9 (0.6)								
	Uruguay	443 (2.3)	407 (3.0)	428 (3.3)	449 (3.9)	489 (4.5)	82 (5.4)	29 (1.7)	12.4 (1.4)								
	Malaysia**	440 (3.3)	408 (4.2)	428 (3.6)	448 (5.0)	476 (5.4)	68 (6.2)	24 (1.9)	10.8 (1.5)								

1. ESCS refers to the PISA index of economic, social and cultural status.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616788>

[Part 1/2]

Table V.4.6b Performance in collaborative problem solving, by schools' socio-economic profile

		National quarters of school ESCS									
		Mean ESCS ¹		Bottom quarter		Second quarter		Third quarter		Top quarter	
		Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.
OECD	Australia	0.27	(0.01)	-0.30	(0.02)	0.13	(0.02)	0.44	(0.01)	0.81	(0.02)
	Austria	0.09	(0.02)	-0.48	(0.03)	-0.10	(0.03)	0.24	(0.03)	0.71	(0.03)
	Belgium	0.16	(0.02)	-0.48	(0.04)	0.01	(0.03)	0.35	(0.02)	0.79	(0.03)
	Canada	0.53	(0.02)	0.05	(0.02)	0.42	(0.02)	0.67	(0.02)	0.99	(0.02)
	Chile	-0.49	(0.03)	-1.35	(0.04)	-0.84	(0.04)	-0.26	(0.05)	0.50	(0.04)
	Czech Republic	-0.21	(0.01)	-0.72	(0.02)	-0.39	(0.02)	-0.12	(0.03)	0.41	(0.02)
	Denmark	0.59	(0.02)	0.09	(0.03)	0.47	(0.02)	0.73	(0.03)	1.08	(0.03)
	Estonia	0.05	(0.01)	-0.44	(0.03)	-0.08	(0.02)	0.15	(0.02)	0.56	(0.02)
	Finland	0.25	(0.02)	-0.10	(0.03)	0.14	(0.02)	0.32	(0.03)	0.66	(0.04)
	France	-0.14	(0.02)	-0.72	(0.02)	-0.27	(0.02)	0.02	(0.03)	0.43	(0.03)
	Germany	0.12	(0.02)	-0.50	(0.03)	-0.07	(0.03)	0.28	(0.03)	0.77	(0.03)
	Greece	-0.08	(0.03)	-0.72	(0.04)	-0.23	(0.04)	0.08	(0.03)	0.56	(0.04)
	Hungary	-0.23	(0.02)	-1.03	(0.03)	-0.44	(0.03)	-0.01	(0.04)	0.58	(0.03)
	Iceland	0.73	(0.00)	0.35	(0.00)	0.68	(0.00)	0.84	(0.00)	1.06	(0.00)
	Ireland	0.16	(0.02)	-0.29	(0.03)	0.02	(0.02)	0.25	(0.03)	0.66	(0.05)
	Israel	0.16	(0.03)	-0.38	(0.06)	0.05	(0.04)	0.33	(0.02)	0.66	(0.03)
	Italy	-0.07	(0.02)	-0.69	(0.03)	-0.25	(0.03)	0.09	(0.02)	0.58	(0.03)
	Japan	-0.18	(0.01)	-0.63	(0.02)	-0.32	(0.02)	-0.06	(0.02)	0.27	(0.02)
	Korea	-0.20	(0.02)	-0.59	(0.03)	-0.33	(0.02)	-0.12	(0.03)	0.25	(0.04)
	Latvia	-0.44	(0.02)	-1.04	(0.03)	-0.62	(0.03)	-0.29	(0.04)	0.20	(0.02)
	Luxembourg	0.07	(0.00)	-0.58	(0.00)	-0.24	(0.00)	0.22	(0.00)	0.90	(0.00)
	Mexico	-1.22	(0.04)	-2.22	(0.06)	-1.47	(0.05)	-1.02	(0.04)	-0.19	(0.07)
	Netherlands	0.16	(0.02)	-0.31	(0.04)	0.03	(0.02)	0.28	(0.02)	0.64	(0.03)
	New Zealand	0.17	(0.02)	-0.28	(0.02)	0.02	(0.02)	0.29	(0.03)	0.63	(0.03)
	Norway	0.48	(0.02)	0.14	(0.03)	0.40	(0.02)	0.56	(0.02)	0.83	(0.03)
	Poland	-0.39	(0.02)	-0.85	(0.03)	-0.53	(0.03)	-0.29	(0.02)	0.10	(0.04)
	Portugal	-0.39	(0.03)	-1.14	(0.04)	-0.60	(0.04)	-0.26	(0.05)	0.44	(0.05)
	Slovak Republic	-0.11	(0.02)	-0.81	(0.05)	-0.22	(0.02)	0.06	(0.03)	0.54	(0.03)
	Slovenia	0.03	(0.00)	-0.51	(0.01)	-0.16	(0.01)	0.17	(0.01)	0.63	(0.00)
	Spain	-0.51	(0.04)	-1.32	(0.04)	-0.81	(0.05)	-0.39	(0.05)	0.47	(0.07)
	Sweden	0.33	(0.02)	-0.08	(0.03)	0.21	(0.03)	0.43	(0.02)	0.79	(0.03)
	Switzerland	0.14	(0.02)	-0.36	(0.03)	-0.03	(0.03)	0.21	(0.04)	0.75	(0.04)
	Turkey	-1.43	(0.05)	-2.22	(0.06)	-1.62	(0.05)	-1.26	(0.05)	-0.61	(0.10)
	United Kingdom	0.21	(0.02)	-0.30	(0.02)	0.04	(0.03)	0.32	(0.03)	0.77	(0.04)
	United States	0.10	(0.04)	-0.60	(0.07)	-0.04	(0.04)	0.28	(0.04)	0.77	(0.04)
	OECD average-32	-0.04	(0.00)	-0.62	(0.01)	-0.20	(0.01)	0.10	(0.01)	0.58	(0.01)
	OECD average-35	-0.04	(0.00)	-0.61	(0.01)	-0.20	(0.00)	0.10	(0.01)	0.57	(0.01)
Partners	Brazil	-0.96	(0.03)	-1.76	(0.03)	-1.21	(0.03)	-0.86	(0.03)	0.00	(0.05)
	B-S-J-G (China)	-1.07	(0.04)	-1.89	(0.03)	-1.41	(0.05)	-0.95	(0.06)	-0.04	(0.10)
	Bulgaria	-0.08	(0.03)	-0.85	(0.05)	-0.26	(0.04)	0.14	(0.04)	0.64	(0.03)
	Colombia	-0.99	(0.04)	-1.83	(0.05)	-1.26	(0.03)	-0.90	(0.04)	0.03	(0.07)
	Costa Rica	-0.80	(0.04)	-1.62	(0.05)	-1.08	(0.04)	-0.72	(0.04)	0.21	(0.07)
	Croatia	-0.24	(0.02)	-0.69	(0.02)	-0.42	(0.02)	-0.17	(0.02)	0.32	(0.04)
	Cyprus*	0.20	(0.00)	-0.38	(0.00)	0.04	(0.00)	0.30	(0.00)	0.83	(0.00)
	Dominican Republic	-0.90	(0.03)	-1.56	(0.04)	-1.17	(0.04)	-0.81	(0.05)	-0.06	(0.05)
	Hong Kong (China)	-0.53	(0.03)	-1.05	(0.02)	-0.81	(0.03)	-0.44	(0.04)	0.16	(0.06)
	Lithuania	-0.06	(0.02)	-0.67	(0.03)	-0.20	(0.03)	0.09	(0.03)	0.52	(0.04)
	Macao (China)	-0.54	(0.00)	-1.06	(0.00)	-0.76	(0.00)	-0.49	(0.00)	0.15	(0.00)
	Montenegro	-0.18	(0.00)	-0.58	(0.01)	-0.31	(0.00)	-0.06	(0.00)	0.25	(0.00)
	Peru	-1.08	(0.04)	-2.19	(0.04)	-1.40	(0.05)	-0.80	(0.05)	0.07	(0.07)
	Qatar	0.58	(0.00)	0.09	(0.00)	0.51	(0.00)	0.71	(0.00)	1.00	(0.00)
	Russia	0.05	(0.02)	-0.47	(0.04)	-0.03	(0.03)	0.20	(0.03)	0.49	(0.02)
	Singapore	0.03	(0.01)	-0.51	(0.00)	-0.21	(0.00)	0.13	(0.02)	0.71	(0.01)
	Chinese Taipei	-0.21	(0.02)	-0.72	(0.03)	-0.36	(0.03)	-0.11	(0.03)	0.33	(0.04)
	Thailand	-1.23	(0.04)	-1.99	(0.04)	-1.53	(0.04)	-1.13	(0.05)	-0.26	(0.10)
	Tunisia	-0.83	(0.03)	-1.62	(0.05)	-1.09	(0.04)	-0.68	(0.04)	0.05	(0.07)
	United Arab Emirates	0.50	(0.01)	0.04	(0.03)	0.38	(0.02)	0.62	(0.01)	0.96	(0.01)
	Uruguay	-0.78	(0.02)	-1.46	(0.02)	-1.12	(0.03)	-0.71	(0.03)	0.18	(0.06)
	Malaysia**	-0.47	(0.04)	-1.20	(0.05)	-0.70	(0.05)	-0.30	(0.06)	0.32	(0.06)

1. ESCS refers to the PISA index of economic, social and cultural status.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 2/2]

Table V.4.6b Performance in collaborative problem solving, by schools' socio-economic profile

		Performance in collaborative problem solving, by national quarter of school ESCS ¹										When accounting for schools' socio-economic profile					
		Mean		Bottom quarter		Second quarter		Third quarter		Top quarter		Difference (top - bottom quarter)		Change in collaborative problem-solving performance per unit of school ESCS		Explained variance in student performance (r-squared × 100)	
Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Score dif.	S.E.	Score dif.	S.E.	%	S.E.		
OECD	Australia	531	(1.9)	496	(4.1)	523	(4.5)	540	(4.0)	575	(3.7)	80	(5.4)	70	(4.3)	8.1	(1.0)
	Austria	509	(2.6)	451	(5.0)	492	(7.7)	534	(5.5)	564	(4.4)	113	(6.7)	93	(5.0)	19.9	(1.8)
	Belgium	501	(2.4)	440	(5.1)	482	(5.0)	523	(5.6)	564	(4.5)	124	(7.1)	99	(4.9)	24.4	(2.0)
	Canada	535	(2.3)	505	(3.9)	530	(4.2)	545	(4.8)	566	(4.2)	61	(5.4)	64	(4.5)	5.1	(0.7)
	Chile	457	(2.7)	413	(5.0)	441	(4.9)	472	(6.8)	505	(5.4)	92	(7.5)	47	(2.5)	17.5	(1.7)
	Czech Republic	499	(2.2)	451	(5.1)	483	(4.7)	505	(5.0)	558	(4.0)	107	(6.7)	90	(4.9)	19.5	(1.9)
	Denmark	520	(2.5)	497	(4.1)	511	(5.1)	528	(5.3)	547	(5.2)	50	(6.5)	51	(6.1)	4.9	(1.2)
	Estonia	535	(2.5)	510	(5.0)	527	(6.3)	541	(4.3)	567	(4.4)	58	(6.4)	62	(5.6)	7.1	(1.3)
	Finland	534	(2.6)	518	(5.5)	527	(5.6)	540	(4.6)	551	(5.2)	33	(7.6)	52	(9.2)	2.4	(0.9)
	France	494	(2.4)	423	(6.7)	485	(6.1)	528	(4.8)	549	(4.0)	126	(7.4)	110	(4.5)	23.8	(1.9)
	Germany	525	(2.8)	473	(5.6)	511	(6.9)	562	(6.8)	585	(4.2)	112	(7.3)	88	(5.0)	18.6	(2.0)
	Greece	459	(3.6)	404	(8.0)	455	(6.5)	475	(4.4)	503	(5.7)	99	(9.3)	73	(5.5)	15.9	(2.2)
	Hungary	472	(2.4)	395	(4.5)	453	(5.6)	497	(5.7)	545	(4.9)	149	(6.7)	91	(3.6)	34.9	(1.9)
	Iceland	499	(2.3)	491	(4.0)	497	(3.7)	502	(4.5)	511	(4.1)	20	(5.9)	28	(6.6)	0.7	(0.3)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	469	(3.6)	403	(10.5)	452	(10.4)	500	(7.1)	534	(6.6)	131	(12.8)	113	(11.0)	21.0	(2.9)
	Italy	478	(2.5)	418	(6.3)	474	(6.0)	502	(6.7)	524	(4.7)	106	(7.8)	80	(4.3)	17.2	(1.7)
	Japan	552	(2.7)	511	(4.9)	540	(6.2)	565	(8.0)	592	(5.1)	81	(7.0)	89	(6.4)	13.4	(1.8)
	Korea	538	(2.5)	501	(5.2)	535	(4.9)	548	(5.5)	569	(5.3)	68	(7.7)	81	(6.8)	10.1	(1.9)
	Latvia	485	(2.3)	456	(4.8)	476	(4.1)	492	(4.8)	518	(4.7)	62	(6.7)	49	(4.4)	7.0	(1.3)
	Luxembourg	491	(1.5)	439	(2.6)	470	(2.6)	504	(2.7)	556	(3.2)	117	(4.1)	79	(2.6)	21.2	(1.2)
	Mexico	433	(2.5)	393	(4.4)	418	(5.2)	442	(5.7)	481	(5.0)	87	(7.3)	40	(2.6)	16.7	(1.9)
	Netherlands	518	(2.4)	456	(5.2)	491	(7.0)	541	(6.7)	584	(4.6)	128	(6.9)	121	(9.8)	22.5	(2.4)
	New Zealand	533	(2.4)	498	(5.8)	525	(5.4)	547	(6.3)	573	(4.8)	75	(7.7)	79	(7.1)	7.1	(1.2)
	Norway	502	(2.5)	489	(4.5)	500	(5.7)	506	(5.4)	520	(4.7)	31	(6.4)	43	(7.7)	1.6	(0.6)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	498	(2.6)	454	(5.0)	495	(5.5)	511	(5.8)	535	(4.2)	81	(6.2)	49	(3.9)	11.1	(1.7)
	Slovak Republic	463	(2.4)	412	(4.5)	445	(4.5)	469	(4.8)	528	(5.7)	116	(7.2)	75	(6.0)	20.5	(1.8)
	Slovenia	502	(1.8)	446	(2.7)	481	(3.9)	522	(4.2)	559	(3.5)	113	(4.4)	101	(3.7)	23.9	(1.5)
	Spain	496	(2.1)	473	(4.6)	490	(4.4)	505	(5.4)	521	(4.4)	49	(5.9)	27	(2.8)	4.6	(0.9)
	Sweden	510	(3.4)	480	(4.2)	502	(4.9)	511	(6.2)	553	(7.4)	73	(7.7)	82	(8.5)	8.1	(1.7)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	422	(3.4)	378	(5.5)	403	(6.7)	442	(9.4)	469	(7.2)	91	(9.6)	55	(4.8)	20.7	(3.3)
	United Kingdom	519	(2.7)	485	(5.6)	508	(5.3)	523	(5.8)	568	(5.0)	83	(7.9)	74	(5.6)	8.8	(1.5)
	United States	520	(3.6)	478	(6.7)	512	(6.4)	533	(7.1)	563	(6.2)	86	(8.8)	55	(5.8)	7.9	(1.4)
OECD average-32	500	(0.5)	457	(0.9)	489	(1.0)	514	(1.0)	545	(0.9)	88	(1.3)	72	(1.0)	13.9	(0.3)	
OECD average-35	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
Partners	Brazil	412	(2.3)	375	(3.4)	400	(4.5)	411	(4.2)	468	(5.5)	92	(6.2)	51	(2.5)	16.6	(1.7)
	B-S-J-G (China)	496	(4.0)	429	(6.1)	472	(8.1)	523	(8.9)	560	(8.0)	131	(9.9)	70	(3.1)	27.6	(2.8)
	Bulgaria	444	(3.9)	376	(6.7)	415	(7.2)	469	(7.2)	522	(5.8)	147	(9.0)	97	(5.5)	33.2	(2.7)
	Colombia	429	(2.3)	385	(4.7)	413	(4.2)	436	(4.1)	483	(5.4)	98	(7.1)	52	(2.8)	21.2	(2.2)
	Costa Rica	441	(2.4)	413	(3.8)	426	(5.5)	442	(4.7)	483	(5.5)	70	(6.9)	39	(3.1)	13.5	(1.9)
	Croatia	473	(2.5)	432	(6.7)	456	(7.8)	478	(5.8)	527	(5.0)	94	(8.3)	90	(6.5)	16.9	(2.0)
	Cyprus*	444	(1.7)	404	(3.1)	449	(3.0)	450	(3.9)	476	(3.1)	73	(4.2)	57	(3.1)	8.6	(0.9)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	541	(2.9)	505	(6.9)	529	(6.7)	558	(8.2)	574	(4.7)	70	(8.6)	50	(6.1)	7.3	(1.6)
	Lithuania	467	(2.5)	424	(4.3)	457	(5.0)	472	(5.5)	519	(5.5)	95	(7.4)	79	(4.8)	16.3	(2.0)
	Macao (China)	534	(1.2)	518	(2.5)	546	(2.8)	536	(2.8)	536	(3.0)	18	(4.1)	16	(3.3)	0.8	(0.3)
	Montenegro	416	(1.3)	383	(2.8)	400	(2.5)	427	(2.4)	455	(2.7)	72	(3.6)	87	(3.9)	13.2	(1.1)
	Peru	418	(2.5)	360	(3.3)	399	(5.8)	431	(3.8)	480	(6.5)	120	(7.5)	51	(2.3)	29.3	(2.1)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	473	(3.4)	433	(5.6)	463	(5.3)	485	(6.2)	517	(6.8)	84	(8.5)	80	(7.1)	10.7	(1.7)
	Singapore	561	(1.2)	519	(2.9)	537	(2.7)	572	(3.8)	618	(5.1)	99	(6.1)	77	(3.9)	14.5	(1.2)
	Chinese Taipei	527	(2.5)	479	(5.6)	515	(5.3)	537	(4.6)	575	(6.7)	96	(9.2)	89	(5.8)	16.1	(2.2)
	Thailand	436	(3.5)	404	(5.1)	413	(7.0)	439	(7.0)	491	(6.8)	87	(8.5)	50	(3.7)	17.5	(2.9)
	Tunisia	382	(1.9)	357	(4.1)	370	(5.1)	386	(5.0)	415	(4.6)	58	(6.1)	36	(3.7)	16.1	(2.9)
	United Arab Emirates	435	(2.4)	394	(6.0)	420	(6.4)	445	(5.4)	486	(4.7)	92	(7.6)	99	(6.1)	14.2	(1.7)
	Uruguay	443	(2.3)	398	(4.4)	416	(4.0)	464	(6.0)	495	(5.2)	97	(6.7)	59	(2.9)	18.5	(1.8)
	Malaysia**	440	(3.3)	406	(4.6)	427	(6.6)	448	(6.8)	479	(7.4)	74	(9.0)	49	(4.4)	13.2	(2.5)

1. ESCS refers to the PISA index of economic, social and cultural status.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.4.6c Impact of socio-economic status on collaborative problem-solving performance*Results based on students' self-reports*

		When accounting for students' socio-economic status				When accounting for schools' socio-economic profile ¹				When accounting for students' and schools' socio-economic profile						
		Change in collaborative problem-solving score per unit of student ESCS		Explained variance in student performance (r-squared × 100)		Change in collaborative problem-solving score per unit of school ESCS		Explained variance in student performance (r-squared × 100)		Change in collaborative problem-solving score per unit of student ESCS		Change in collaborative problem-solving score per unit of school ESCS		Explained variance in student performance (r-squared × 100)		
		Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	Score dif.	S.E.	%	S.E.	
OECD	Australia	35	(1.9)	6.7	(0.8)	70	(4.3)	8.1	(1.0)	20	(2.0)	50	(4.8)	9.6	(1.0)	
	Austria	35	(2.1)	9.0	(1.1)	93	(5.0)	19.9	(1.8)	9	(1.8)	84	(5.2)	20.3	(1.8)	
	Belgium	39	(2.0)	12.8	(1.2)	99	(4.9)	24.4	(2.0)	14	(1.6)	85	(5.2)	25.6	(2.0)	
	Canada	29	(1.7)	5.3	(0.6)	64	(4.5)	5.1	(0.7)	20	(1.7)	44	(4.8)	7.1	(0.8)	
	Chile	26	(1.5)	11.3	(1.3)	47	(2.5)	17.5	(1.7)	7	(1.5)	40	(2.8)	17.9	(1.7)	
	Czech Republic	38	(2.6)	11.2	(1.4)	90	(4.9)	19.5	(1.9)	14	(2.4)	75	(4.7)	20.6	(2.0)	
	Denmark	25	(2.0)	6.0	(0.9)	51	(6.1)	4.9	(1.2)	19	(2.1)	33	(6.7)	7.6	(1.2)	
	Estonia	26	(2.1)	5.0	(0.8)	62	(5.6)	7.1	(1.3)	14	(2.3)	48	(6.5)	8.2	(1.3)	
	Finland	33	(2.7)	5.8	(0.9)	52	(9.2)	2.4	(0.9)	29	(2.7)	23	(9.4)	6.2	(1.1)	
	France	44	(2.1)	12.3	(1.1)	110	(4.5)	23.8	(1.9)	15	(2.0)	96	(4.9)	24.8	(1.8)	
	Germany	29	(2.0)	7.6	(1.0)	88	(5.0)	18.6	(2.0)	8	(1.6)	81	(5.3)	19.0	(2.0)	
	Greece	28	(2.0)	8.3	(1.1)	73	(5.5)	15.9	(2.2)	10	(1.7)	62	(5.6)	16.8	(2.2)	
	Hungary	40	(1.9)	15.9	(1.3)	91	(3.6)	34.9	(1.9)	2	(1.5)	88	(3.9)	34.9	(1.8)	
	Iceland	17	(2.9)	1.7	(0.6)	28	(6.6)	0.7	(0.3)	15	(3.1)	14	(7.2)	1.8	(0.6)	
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	38	(2.9)	9.4	(1.4)	113	(11.0)	21.0	(2.9)	13	(2.4)	100	(12.0)	21.8	(2.8)	
	Italy	26	(1.9)	6.7	(1.0)	80	(4.3)	17.2	(1.7)	6	(1.6)	74	(4.6)	17.4	(1.7)	
	Japan	27	(2.0)	5.2	(0.7)	89	(6.4)	13.4	(1.8)	8	(1.9)	81	(6.8)	13.7	(1.7)	
	Korea	28	(2.6)	5.1	(1.0)	81	(6.8)	10.1	(1.9)	12	(2.0)	69	(7.0)	10.8	(1.9)	
	Latvia	23	(2.1)	5.6	(0.9)	49	(4.4)	7.0	(1.3)	13	(2.1)	36	(4.7)	8.3	(1.3)	
	Luxembourg	30	(1.4)	11.3	(0.9)	79	(2.6)	21.2	(1.2)	12	(1.5)	67	(2.8)	22.4	(1.3)	
	Mexico	22	(1.4)	11.1	(1.4)	40	(2.6)	16.7	(1.9)	7	(1.3)	33	(2.9)	17.4	(1.9)	
	Netherlands	33	(2.7)	6.6	(1.1)	121	(9.8)	22.5	(2.4)	4	(2.1)	118	(9.9)	22.5	(2.4)	
	New Zealand	37	(3.2)	7.4	(1.2)	79	(7.1)	7.1	(1.2)	26	(3.1)	53	(7.4)	10.0	(1.4)	
	Norway	25	(2.1)	3.8	(0.6)	43	(7.7)	1.6	(0.6)	22	(2.2)	21	(8.2)	4.2	(0.7)	
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	23	(1.7)	8.8	(1.3)	49	(3.9)	11.1	(1.7)	13	(1.7)	36	(4.2)	13.0	(1.8)	
	Slovak Republic	30	(2.1)	9.7	(1.2)	75	(6.0)	20.5	(1.8)	6	(1.9)	68	(6.2)	20.8	(1.9)	
	Slovenia	32	(2.1)	8.0	(1.0)	101	(3.7)	23.9	(1.5)	2	(2.6)	98	(4.8)	24.0	(1.4)	
	Spain	20	(1.3)	7.0	(0.9)	27	(2.8)	4.6	(0.9)	16	(1.4)	12	(3.0)	7.6	(1.0)	
	Sweden	33	(2.5)	7.7	(1.1)	82	(8.5)	8.1	(1.7)	23	(2.2)	59	(8.7)	11.1	(1.7)	
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	19	(2.0)	7.9	(1.7)	55	(4.8)	20.7	(3.3)	3	(1.3)	52	(5.0)	20.8	(3.3)	
	United Kingdom	30	(2.2)	6.3	(0.9)	74	(5.6)	8.8	(1.5)	17	(1.8)	57	(5.8)	10.3	(1.5)	
	United States	29	(2.1)	7.5	(1.0)	55	(5.8)	7.9	(1.4)	18	(2.1)	37	(6.3)	9.9	(1.4)	
	OECD average	30	(0.4)	7.9	(0.2)	72	(1.0)	13.9	(0.3)	13	(0.4)	59	(1.1)	15.2	(0.3)	
Partners	Brazil	23	(1.4)	9.5	(1.1)	51	(2.5)	16.6	(1.7)	7	(1.2)	44	(2.6)	17.1	(1.7)	
	B-S-J-G (China)	35	(2.4)	15.9	(2.2)	70	(3.1)	27.6	(2.8)	8	(1.6)	62	(3.3)	28.1	(2.9)	
	Bulgaria	37	(2.1)	14.2	(1.4)	97	(5.5)	33.2	(2.7)	6	(1.4)	91	(5.7)	33.5	(2.7)	
	Colombia	29	(1.7)	14.8	(1.8)	52	(2.8)	21.2	(2.2)	10	(1.6)	41	(3.1)	22.3	(2.3)	
	Costa Rica	21	(1.6)	10.0	(1.4)	39	(3.1)	13.5	(1.9)	9	(1.4)	30	(3.1)	14.7	(1.9)	
	Croatia	31	(2.1)	8.6	(1.0)	90	(6.5)	16.9	(2.0)	13	(1.8)	77	(6.7)	18.1	(2.0)	
	Cyprus*	20	(2.1)	4.1	(0.8)	57	(3.1)	8.6	(0.9)	7	(2.5)	50	(3.8)	9.0	(0.9)	
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	14	(2.2)	2.1	(0.6)	50	(6.1)	7.3	(1.6)	1	(1.7)	50	(6.1)	7.3	(1.6)	
	Lithuania	31	(2.2)	8.5	(1.1)	79	(4.8)	16.3	(2.0)	11	(2.0)	68	(5.3)	17.1	(2.0)	
	Macao (China)	8	(1.9)	0.6	(0.3)	16	(3.3)	0.8	(0.3)	5	(2.4)	12	(4.1)	0.9	(0.3)	
	Montenegro	19	(1.4)	4.1	(0.6)	87	(3.9)	13.2	(1.1)	6	(1.6)	80	(4.6)	13.6	(1.1)	
	Peru	32	(1.6)	21.6	(1.8)	51	(2.3)	29.3	(2.1)	10	(1.5)	41	(2.6)	30.4	(2.1)	
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	31	(2.7)	6.3	(1.0)	80	(7.1)	10.7	(1.7)	14	(2.2)	66	(7.1)	11.7	(1.8)	
	Singapore	33	(1.7)	9.8	(0.9)	77	(3.9)	14.5	(1.2)	17	(1.8)	61	(4.1)	16.3	(1.3)	
	Chinese Taipei	30	(2.5)	7.5	(1.1)	89	(5.8)	16.1	(2.2)	11	(1.8)	78	(5.8)	16.9	(2.2)	
	Thailand	24	(2.5)	9.7	(2.0)	50	(3.7)	17.5	(2.9)	6	(1.9)	44	(3.9)	17.9	(2.9)	
	Tunisia	16	(1.5)	9.2	(1.5)	36	(3.7)	16.1	(2.9)	6	(1.1)	30	(3.9)	16.9	(2.9)	
	United Arab Emirates	28	(1.8)	4.9	(0.6)	99	(6.1)	14.2	(1.7)	6	(1.6)	93	(6.4)	14.4	(1.7)	
	Uruguay	29	(1.7)	12.4	(1.4)	59	(2.9)	18.5	(1.8)	12	(1.6)	47	(3.1)	19.8	(1.8)	
	Malaysia**	24	(1.9)	10.8	(1.5)	49	(4.4)	13.2	(2.5)	14	(1.4)	35	(4.6)	15.6	(2.4)	

1. The socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/2]

Table V.4.8 Percentage of low and top performers in collaborative problem solving, by students' socio-economic status

		All students				Students in the bottom quarter of ESCS ¹				Students in the second quarter of ESCS			
		Below Level 2 (below 440 score points)		Level 4 (at or above 640 score points)		Below Level 2 (below 440 score points)		Level 4 (at or above 640 score points)		Below Level 2 (below 440 score points)		Level 4 (at or above 640 score points)	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	19.2	(0.6)	15.7	(0.7)	29.8	(1.2)	9.1	(0.8)	22.1	(1.1)	12.6	(1.1)
	Austria	24.4	(1.0)	9.2	(0.7)	36.2	(2.0)	3.7	(0.6)	27.9	(1.8)	6.4	(1.0)
	Belgium	26.3	(1.0)	7.2	(0.6)	42.7	(2.0)	2.5	(0.4)	30.8	(1.4)	4.1	(0.6)
	Canada	18.1	(0.8)	16.0	(0.7)	26.8	(1.4)	8.8	(0.8)	19.7	(1.5)	13.4	(0.9)
	Chile	41.8	(1.4)	1.2	(0.2)	61.1	(2.2)	0.2	(0.2)	41.8	(2.3)	0.8	(0.4)
	Czech Republic	25.9	(1.0)	5.4	(0.4)	40.7	(2.1)	1.6	(0.4)	29.2	(1.8)	3.4	(0.7)
	Denmark	18.5	(0.9)	9.0	(0.7)	26.6	(1.4)	4.5	(0.9)	21.0	(1.6)	7.1	(1.2)
	Estonia	15.0	(0.8)	12.3	(0.8)	22.4	(1.7)	6.0	(1.1)	16.3	(1.6)	10.6	(1.5)
	Finland	18.1	(0.9)	14.5	(0.8)	26.9	(1.8)	8.9	(1.2)	20.5	(1.7)	11.7	(1.2)
	France	28.6	(0.9)	6.8	(0.5)	44.7	(1.9)	2.4	(0.5)	33.6	(1.8)	4.4	(0.8)
	Germany	18.1	(1.0)	14.3	(0.8)	27.3	(2.1)	6.5	(0.9)	19.7	(1.4)	11.8	(1.3)
	Greece	41.9	(1.7)	2.0	(0.3)	56.4	(2.5)	0.5	(0.3)	46.8	(2.4)	1.4	(0.4)
	Hungary	37.2	(1.1)	3.4	(0.4)	57.8	(2.1)	0.6	(0.3)	40.3	(2.1)	2.3	(0.6)
	Iceland	26.8	(1.2)	6.7	(0.6)	32.4	(2.4)	5.2	(1.0)	28.6	(2.0)	5.1	(1.0)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	41.2	(1.6)	5.5	(0.5)	61.3	(2.6)	1.4	(0.4)	43.5	(2.2)	3.5	(0.8)
	Italy	34.0	(1.2)	4.3	(0.5)	47.7	(2.1)	1.9	(0.6)	35.9	(2.0)	3.7	(0.6)
	Japan	10.0	(0.8)	14.1	(0.8)	15.9	(1.5)	7.4	(1.0)	10.0	(1.1)	12.6	(1.3)
	Korea	12.9	(0.8)	10.4	(0.8)	19.2	(1.6)	6.1	(0.8)	14.5	(1.3)	7.7	(1.0)
	Latvia	30.7	(1.0)	3.9	(0.5)	41.6	(2.0)	1.5	(0.6)	34.2	(2.0)	2.6	(0.7)
	Luxembourg	30.8	(0.7)	6.9	(0.4)	47.0	(1.9)	1.9	(0.7)	34.5	(1.5)	4.3	(0.8)
	Mexico	53.3	(1.5)	0.4	(0.1)	71.6	(2.4)	0.0	(0.0)	58.4	(2.0)	0.1	(0.1)
	Netherlands	21.8	(1.0)	10.1	(0.7)	30.2	(1.9)	4.5	(0.8)	25.5	(1.6)	6.9	(1.1)
	New Zealand	18.9	(0.9)	16.4	(0.9)	29.3	(2.0)	7.5	(1.1)	20.0	(1.6)	13.3	(1.6)
	Norway	24.8	(1.0)	7.0	(0.6)	33.8	(1.7)	4.1	(0.9)	25.9	(1.8)	4.9	(0.9)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	25.9	(1.1)	5.3	(0.5)	39.5	(2.1)	2.3	(0.6)	28.4	(1.9)	3.4	(0.6)
	Slovak Republic	40.2	(1.2)	2.6	(0.4)	56.7	(2.3)	0.7	(0.4)	42.9	(1.5)	1.4	(0.4)
	Slovenia	25.6	(0.8)	6.4	(0.7)	36.6	(2.1)	2.6	(0.7)	31.0	(1.5)	4.6	(1.1)
	Spain	25.5	(1.0)	4.3	(0.4)	36.5	(1.8)	1.8	(0.4)	29.5	(1.5)	3.0	(0.7)
	Sweden	23.8	(1.2)	9.3	(0.9)	34.7	(1.9)	3.2	(0.6)	26.8	(1.8)	5.8	(1.0)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	59.2	(1.9)	0.2	(0.1)	72.7	(2.9)	0.0	(0.1)	63.1	(2.5)	0.1	(0.2)
	United Kingdom	22.0	(1.0)	12.4	(0.8)	31.2	(1.7)	6.6	(1.0)	26.6	(1.8)	8.7	(1.0)
	United States	23.3	(1.1)	14.0	(1.0)	33.3	(2.1)	6.6	(0.9)	27.5	(1.7)	8.9	(1.4)
	OECD average	27.6	(0.2)	8.0	(0.1)	39.7	(0.4)	3.8	(0.1)	30.5	(0.3)	6.0	(0.2)
Partners	Brazil	63.3	(1.1)	0.7	(0.1)	77.7	(1.0)	0.1	(0.1)	68.4	(1.4)	0.3	(0.2)
	B-S-J-G (China)	28.3	(1.5)	6.5	(0.9)	47.3	(2.6)	1.5	(0.5)	30.1	(2.5)	3.6	(1.0)
	Bulgaria	48.7	(1.8)	2.0	(0.3)	70.3	(2.5)	0.4	(0.2)	55.2	(2.5)	1.0	(0.4)
	Colombia	56.5	(1.3)	0.6	(0.2)	75.7	(1.8)	0.0	(0.0)	63.9	(1.9)	0.1	(0.1)
	Costa Rica	49.9	(1.4)	0.6	(0.2)	63.6	(2.2)	0.1	(0.1)	57.5	(2.0)	0.2	(0.2)
	Croatia	35.3	(1.3)	2.4	(0.3)	46.8	(1.9)	0.7	(0.3)	39.7	(2.1)	1.6	(0.4)
	Cyprus*	48.7	(1.1)	1.5	(0.3)	58.5	(2.2)	0.6	(0.4)	52.9	(1.9)	1.1	(0.4)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	13.5	(0.9)	13.2	(0.8)	17.5	(1.6)	10.2	(1.0)	14.2	(1.6)	12.3	(1.3)
	Lithuania	38.2	(1.2)	2.5	(0.3)	53.3	(1.8)	0.6	(0.3)	43.3	(1.8)	1.3	(0.4)
	Macao (China)	14.9	(0.5)	11.1	(0.6)	16.8	(1.3)	8.8	(1.1)	14.0	(1.4)	10.5	(1.1)
	Montenegro	61.9	(0.8)	0.2	(0.1)	72.7	(1.4)	0.0	(0.1)	64.8	(1.9)	0.1	(0.1)
	Peru	61.4	(1.4)	0.4	(0.1)	87.8	(1.2)	0.0	c	66.8	(2.5)	0.1	(0.1)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	36.1	(1.6)	3.7	(0.5)	51.5	(2.6)	1.4	(0.5)	38.0	(2.7)	2.8	(0.6)
	Singapore	11.3	(0.4)	21.5	(0.6)	20.7	(1.2)	10.3	(0.9)	11.9	(1.0)	17.2	(1.2)
	Chinese Taipei	16.9	(0.8)	9.7	(0.8)	26.2	(1.6)	4.3	(0.7)	18.8	(1.3)	7.0	(0.9)
	Thailand	53.5	(1.7)	1.0	(0.3)	65.2	(2.3)	0.1	(0.1)	61.5	(2.1)	0.3	(0.2)
	Tunisia	83.6	(1.1)	0.0	(0.0)	92.0	(1.3)	0.0	c	89.3	(1.6)	0.0	c
	United Arab Emirates	53.4	(1.2)	1.8	(0.2)	69.0	(1.9)	0.3	(0.1)	55.5	(1.8)	1.2	(0.3)
	Uruguay	50.2	(1.1)	1.7	(0.3)	67.8	(2.0)	0.2	(0.1)	57.1	(1.8)	0.7	(0.4)
	Malaysia**	49.6	(1.8)	0.4	(0.2)	66.9	(2.3)	0.1	(0.1)	55.9	(2.2)	0.1	(0.1)

1. ESCS refers to the PISA index of economic, social and cultural status.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616788>

[Part 2/2]

Table V.4.8 Percentage of low and top performers in collaborative problem solving, by students' socio-economic status

	Students in the third quarter of ESCS ¹				Students in the top quarter of ESCS				Increased likelihood of students in the bottom quarter of ESCS scoring below Level 2 on the collaborative problem-solving scale (below 440 score points)		Increased likelihood of students in the top quarter of this index scoring at Level 4 on the collaborative problem-solving scale (at or above 640 score points)	
	Below Level 2 (below 440 score points)		Level 4 (at or above 640 score points)		Below Level 2 (below 440 score points)		Level 4 (at or above 640 score points)		Relative risk	S.E.	Relative risk	S.E.
	%	S.E.	%	S.E.	%	S.E.	%	S.E.				
OECD	Australia	15.0 (0.9)	16.7 (1.3)	9.9 (0.9)	24.2 (1.4)	1.9 (0.1)	1.9 (0.1)	1.9 (0.1)	1.9 (0.1)	1.9 (0.1)	1.9 (0.1)	1.9 (0.1)
	Austria	19.8 (1.3)	10.2 (1.1)	13.6 (1.4)	16.5 (1.7)	1.8 (0.1)	2.5 (0.3)	1.8 (0.1)	1.8 (0.1)	1.8 (0.1)	2.5 (0.3)	2.5 (0.3)
	Belgium	20.3 (1.3)	8.3 (0.9)	11.5 (1.0)	14.2 (1.5)	2.0 (0.1)	2.9 (0.3)	2.0 (0.1)	2.0 (0.1)	2.0 (0.1)	2.9 (0.3)	2.9 (0.3)
	Canada	14.3 (1.0)	18.2 (1.3)	11.5 (1.0)	23.6 (1.4)	1.8 (0.1)	1.8 (0.1)	1.8 (0.1)	1.8 (0.1)	1.8 (0.1)	1.8 (0.1)	1.8 (0.1)
	Chile	40.1 (2.3)	1.0 (0.4)	24.3 (1.7)	2.8 (0.6)	1.7 (0.1)	4.4 (1.6)	1.7 (0.1)	1.7 (0.1)	1.7 (0.1)	4.4 (1.6)	4.4 (1.6)
	Czech Republic	21.8 (1.7)	6.2 (0.9)	12.0 (1.2)	10.5 (1.3)	1.9 (0.1)	2.9 (0.6)	1.9 (0.1)	1.9 (0.1)	1.9 (0.1)	2.9 (0.6)	2.9 (0.6)
	Denmark	15.7 (1.6)	9.3 (1.1)	10.9 (1.2)	15.0 (1.5)	1.7 (0.1)	2.2 (0.3)	1.7 (0.1)	1.7 (0.1)	1.7 (0.1)	2.2 (0.3)	2.2 (0.3)
	Estonia	13.3 (1.3)	13.8 (1.3)	8.1 (0.9)	18.9 (1.5)	1.8 (0.2)	1.9 (0.2)	1.8 (0.2)	1.8 (0.2)	1.8 (0.2)	1.9 (0.2)	1.9 (0.2)
	Finland	15.2 (1.5)	16.0 (1.4)	9.8 (1.1)	21.6 (1.9)	1.8 (0.2)	1.8 (0.2)	1.8 (0.2)	1.8 (0.2)	1.8 (0.2)	1.8 (0.2)	1.8 (0.2)
	France	23.4 (1.5)	7.5 (1.0)	12.5 (1.2)	12.9 (1.5)	1.9 (0.1)	2.7 (0.4)	1.9 (0.1)	1.9 (0.1)	1.9 (0.1)	2.7 (0.4)	2.7 (0.4)
	Germany	16.2 (1.5)	15.5 (1.5)	9.3 (1.2)	23.6 (1.5)	1.8 (0.1)	2.1 (0.2)	1.8 (0.1)	1.8 (0.1)	1.8 (0.1)	2.1 (0.2)	2.1 (0.2)
	Greece	38.5 (2.3)	2.0 (0.6)	25.9 (1.9)	4.1 (0.8)	1.5 (0.1)	3.2 (0.7)	1.5 (0.1)	1.5 (0.1)	1.5 (0.1)	3.2 (0.7)	3.2 (0.7)
	Hungary	33.6 (1.9)	2.7 (0.6)	17.1 (1.5)	7.9 (1.1)	1.9 (0.1)	4.2 (0.7)	1.9 (0.1)	1.9 (0.1)	1.9 (0.1)	4.2 (0.7)	4.2 (0.7)
	Iceland	23.5 (2.0)	7.1 (1.2)	22.5 (1.7)	9.3 (1.7)	1.3 (0.1)	1.6 (0.3)	1.3 (0.1)	1.3 (0.1)	1.3 (0.1)	1.6 (0.3)	1.6 (0.3)
	Ireland	m	m	m	m	m	m	m	m	m	m	m
	Israel	30.8 (2.2)	7.0 (1.1)	29.0 (1.8)	10.1 (1.2)	1.8 (0.1)	2.6 (0.4)	1.8 (0.1)	1.8 (0.1)	1.8 (0.1)	2.6 (0.4)	2.6 (0.4)
	Italy	30.4 (1.8)	4.8 (0.8)	22.1 (1.7)	6.8 (1.1)	1.6 (0.1)	2.0 (0.3)	1.6 (0.1)	1.6 (0.1)	1.6 (0.1)	2.0 (0.3)	2.0 (0.3)
	Japan	8.4 (1.0)	15.5 (1.3)	5.6 (0.9)	20.9 (1.5)	2.0 (0.2)	1.8 (0.1)	2.0 (0.2)	2.0 (0.2)	2.0 (0.2)	1.8 (0.1)	1.8 (0.1)
	Korea	10.3 (1.4)	11.8 (1.4)	7.5 (1.1)	16.1 (2.1)	1.8 (0.2)	1.9 (0.3)	1.8 (0.2)	1.8 (0.2)	1.8 (0.2)	1.9 (0.3)	1.9 (0.3)
	Latvia	26.8 (1.9)	4.4 (0.9)	20.4 (1.6)	7.3 (1.1)	1.5 (0.1)	2.6 (0.5)	1.5 (0.1)	1.5 (0.1)	1.5 (0.1)	2.6 (0.5)	2.6 (0.5)
	Luxembourg	27.0 (1.5)	7.1 (1.1)	14.7 (1.3)	14.2 (1.2)	1.8 (0.1)	3.2 (0.4)	1.8 (0.1)	1.8 (0.1)	1.8 (0.1)	3.2 (0.4)	3.2 (0.4)
	Mexico	47.6 (2.4)	0.3 (0.2)	35.5 (2.2)	1.0 (0.4)	1.5 (0.1)	6.9 (4.9)	1.5 (0.1)	1.5 (0.1)	1.5 (0.1)	6.9 (4.9)	6.9 (4.9)
	Netherlands	19.3 (1.7)	10.6 (1.2)	12.2 (1.3)	18.5 (1.7)	1.6 (0.1)	2.5 (0.3)	1.6 (0.1)	1.6 (0.1)	1.6 (0.1)	2.5 (0.3)	2.5 (0.3)
	New Zealand	15.3 (1.3)	18.4 (1.8)	10.9 (1.2)	26.4 (2.0)	1.9 (0.2)	2.0 (0.2)	1.9 (0.2)	1.9 (0.2)	1.9 (0.2)	2.0 (0.2)	2.0 (0.2)
	Norway	21.8 (1.6)	7.9 (1.2)	17.9 (1.4)	11.0 (1.1)	1.5 (0.1)	2.0 (0.3)	1.5 (0.1)	1.5 (0.1)	1.5 (0.1)	2.0 (0.3)	2.0 (0.3)
	Poland	m	m	m	m	m	m	m	m	m	m	m
	Portugal	23.8 (1.7)	5.2 (0.9)	11.9 (1.4)	10.1 (1.5)	1.8 (0.1)	2.8 (0.5)	1.8 (0.1)	1.8 (0.1)	1.8 (0.1)	2.8 (0.5)	2.8 (0.5)
	Slovak Republic	36.8 (1.9)	2.7 (0.7)	24.5 (2.0)	5.8 (1.0)	1.6 (0.1)	3.6 (0.7)	1.6 (0.1)	1.6 (0.1)	1.6 (0.1)	3.6 (0.7)	3.6 (0.7)
	Slovenia	21.1 (1.5)	6.9 (1.2)	13.7 (1.3)	11.6 (1.5)	1.7 (0.1)	2.5 (0.4)	1.7 (0.1)	1.7 (0.1)	1.7 (0.1)	2.5 (0.4)	2.5 (0.4)
	Spain	22.1 (1.8)	5.0 (0.7)	13.9 (1.5)	7.5 (0.9)	1.7 (0.1)	2.3 (0.4)	1.7 (0.1)	1.7 (0.1)	1.7 (0.1)	2.3 (0.4)	2.3 (0.4)
	Sweden	17.9 (1.7)	11.2 (1.4)	15.7 (1.6)	17.1 (2.3)	1.7 (0.1)	2.5 (0.3)	1.7 (0.1)	1.7 (0.1)	1.7 (0.1)	2.5 (0.3)	2.5 (0.3)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m
	Turkey	58.3 (2.5)	0.1 (0.1)	42.9 (3.5)	0.4 (0.2)	1.3 (0.1)	4.5 (7.0)	1.3 (0.1)	1.3 (0.1)	1.3 (0.1)	4.5 (7.0)	4.5 (7.0)
	United Kingdom	17.8 (1.3)	13.9 (1.3)	12.2 (1.3)	20.5 (1.7)	1.7 (0.1)	2.1 (0.2)	1.7 (0.1)	1.7 (0.1)	1.7 (0.1)	2.1 (0.2)	2.1 (0.2)
	United States	19.3 (2.0)	15.1 (1.6)	13.2 (1.4)	25.2 (2.0)	1.7 (0.1)	2.5 (0.2)	1.7 (0.1)	1.7 (0.1)	1.7 (0.1)	2.5 (0.2)	2.5 (0.2)
	OECD average	23.9 (0.3)	8.8 (0.2)	16.3 (0.3)	13.6 (0.3)	1.7 (0.0)	2.7 (0.3)	1.7 (0.0)	1.7 (0.0)	1.7 (0.0)	2.7 (0.3)	2.7 (0.3)
Partners	Brazil	62.7 (1.7)	0.5 (0.2)	44.3 (2.0)	1.8 (0.4)	1.3 (0.0)	7.1 (3.0)	1.3 (0.0)	1.3 (0.0)	1.3 (0.0)	7.1 (3.0)	7.1 (3.0)
	B-S-J-G (China)	23.7 (1.7)	6.1 (1.1)	12.1 (1.9)	14.8 (2.5)	2.2 (0.2)	4.0 (0.8)	2.2 (0.2)	2.2 (0.2)	2.2 (0.2)	4.0 (0.8)	4.0 (0.8)
	Bulgaria	41.4 (2.5)	2.0 (0.6)	27.9 (2.0)	4.9 (0.9)	1.7 (0.1)	4.4 (1.1)	1.7 (0.1)	1.7 (0.1)	1.7 (0.1)	4.4 (1.1)	4.4 (1.1)
	Colombia	52.5 (1.9)	0.4 (0.2)	33.9 (2.3)	1.8 (0.6)	1.5 (0.0)	9.2 (5.0)	1.5 (0.0)	1.5 (0.0)	1.5 (0.0)	9.2 (5.0)	9.2 (5.0)
	Costa Rica	48.5 (2.4)	0.5 (0.3)	30.1 (2.4)	1.5 (0.4)	1.4 (0.1)	6.1 (3.3)	1.4 (0.1)	1.4 (0.1)	1.4 (0.1)	6.1 (3.3)	6.1 (3.3)
	Croatia	34.3 (2.0)	2.0 (0.5)	20.4 (1.7)	5.3 (1.0)	1.5 (0.1)	3.7 (0.9)	1.5 (0.1)	1.5 (0.1)	1.5 (0.1)	3.7 (0.9)	3.7 (0.9)
	Cyprus*	47.8 (1.8)	1.6 (0.7)	35.6 (2.2)	2.9 (0.7)	1.3 (0.1)	2.6 (0.8)	1.3 (0.1)	1.3 (0.1)	1.3 (0.1)	2.6 (0.8)	2.6 (0.8)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	12.0 (1.6)	11.9 (1.2)	10.2 (1.2)	18.6 (1.7)	1.4 (0.1)	1.6 (0.2)	1.4 (0.1)	1.4 (0.1)	1.4 (0.1)	1.6 (0.2)	1.6 (0.2)
	Lithuania	33.0 (2.2)	2.9 (0.7)	23.2 (1.6)	5.3 (0.9)	1.6 (0.1)	3.4 (0.9)	1.6 (0.1)	1.6 (0.1)	1.6 (0.1)	3.4 (0.9)	3.4 (0.9)
	Macao (China)	14.3 (1.3)	11.6 (1.6)	14.4 (1.3)	13.6 (1.3)	1.2 (0.1)	1.3 (0.2)	1.2 (0.1)	1.2 (0.1)	1.2 (0.1)	1.3 (0.2)	1.3 (0.2)
	Montenegro	59.6 (1.7)	0.2 (0.1)	50.5 (1.7)	0.4 (0.3)	1.2 (0.0)	5.7 (10.6)	1.2 (0.0)	1.2 (0.0)	1.2 (0.0)	5.7 (10.6)	5.7 (10.6)
	Peru	54.6 (2.1)	0.4 (0.2)	36.5 (2.6)	1.2 (0.4)	1.7 (0.1)	10.8 (18.5)	1.7 (0.1)	1.7 (0.1)	1.7 (0.1)	10.8 (18.5)	10.8 (18.5)
	Qatar	m	m	m	m	m	m	m	m	m	m	m
	Russia	29.0 (2.4)	4.4 (1.0)	25.7 (1.6)	6.4 (1.1)	1.7 (0.1)	2.3 (0.5)	1.7 (0.1)	1.7 (0.1)	1.7 (0.1)	2.3 (0.5)	2.3 (0.5)
	Singapore	8.4 (0.9)	24.4 (1.5)	4.4 (0.6)	34.0 (1.8)	2.5 (0.2)	2.0 (0.1)	2.5 (0.2)	2.5 (0.2)	2.5 (0.2)	2.0 (0.1)	2.0 (0.1)
	Chinese Taipei	14.2 (1.2)	10.8 (1.3)	8.4 (0.9)	16.6 (2.0)	1.9 (0.1)	2.3 (0.3)	1.9 (0.1)	1.9 (0.1)	1.9 (0.1)	2.3 (0.3)	2.3 (0.3)
	Thailand	52.9 (2.5)	0.5 (0.3)	34.2 (3.4)	3.0 (1.0)	1.3 (0.1)	10.5 (6.2)	1.3 (0.1)	1.3 (0.1)	1.3 (0.1)	10.5 (6.2)	10.5 (6.2)
	Tunisia	84.9 (1.7)	0.0 c	68.0 (2.5)	0.0 (0.1)	1.1 (0.0)	m	1.1 (0.0)	1.1 (0.0)	1.1 (0.0)	m	m
	United Arab Emirates	45.7 (1.6)	2.3 (0.5)	43.3 (1.6)	3.5 (0.5)	1.4 (0.0)	2.8 (0.6)	1.4 (0.0)	1.4 (0.0)	1.4 (0.0)	2.8 (0.6)	2.8 (0.6)
	Uruguay	47.0 (2.0)	1.7 (0.5)	29.0 (2.0)	4.2 (0.8)	1.5 (0.1)	4.9 (1.4)	1.5 (0.1)	1.5 (0.1)	1.5 (0.1)	4.9 (1.4)	4.9 (1.4)
	Malaysia**	44.4 (3.0)	0.2 (0.2)	31.3 (2.6)	1.3 (0.5)	1.5 (0.1)	11.6 (19.3)	1.5 (0.1)	1.5 (0.1)	1.5 (0.1)	11.6 (19.3)	11.6 (19.3)

1. ESCS refers to the PISA index of economic, social and cultural status.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/2]

Table V.4.14a Performance in collaborative problem solving, by immigrant background

	Percentage of immigrant students in PISA 2015		Performance in collaborative problem solving							
			Non-immigrant students		Immigrant students		Second-generation immigrants		First-generation immigrants	
	%	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.
OECD	Australia	25.0 (0.7)	534 (2.1)		534 (3.4)		547 (4.4)		521 (4.5)	
	Austria	20.3 (1.1)	521 (2.8)		468 (5.1)		477 (4.8)		453 (8.5)	
	Belgium	17.7 (0.9)	513 (2.3)		456 (4.9)		459 (5.9)		453 (6.6)	
	Canada	30.1 (1.3)	539 (2.4)		536 (3.6)		540 (4.7)		532 (4.2)	
	Chile	2.1 (0.5)	459 (2.7)		436 (12.9)		449 (27.2)		431 (13.1)	
	Czech Republic	3.4 (0.3)	500 (2.1)		488 (11.2)		505 (13.4)		472 (13.7)	
	Denmark	10.7 (0.6)	527 (2.7)		466 (3.8)		470 (4.2)		455 (9.1)	
	Estonia	10.0 (0.5)	542 (2.7)		493 (4.4)		491 (4.5)		511 (20.6)	
	Finland	4.0 (0.4)	538 (2.5)		457 (9.9)		468 (12.2)		447 (12.1)	
	France	13.2 (1.0)	503 (2.5)		452 (6.7)		464 (7.5)		430 (9.1)	
	Germany	16.9 (0.9)	540 (2.8)		491 (6.1)		497 (6.1)		470 (10.6)	
	Greece	10.8 (0.7)	465 (3.8)		424 (5.4)		433 (7.0)		407 (9.0)	
	Hungary	2.7 (0.2)	472 (2.4)		484 (11.5)		496 (12.8)		469 (19.9)	
	Iceland	4.1 (0.3)	503 (2.4)		449 (9.2)		469 (18.3)		440 (11.8)	
	Ireland	14.4 (1.0)	m	m	m	m	m	m	m	m
	Israel	17.5 (1.0)	473 (3.6)		468 (7.5)		488 (6.9)		411 (12.7)	
	Italy	8.0 (0.5)	481 (2.6)		468 (5.1)		467 (7.7)		468 (6.9)	
	Japan	0.5 (0.1)	553 (2.6)		432 (38.1)		c	c	c	c
	Korea	0.1 (0.0)	539 (2.6)		c	c	m	m	c	c
	Latvia	5.0 (0.4)	487 (2.2)		472 (7.4)		476 (7.2)		455 (20.8)	
	Luxembourg	52.0 (0.6)	506 (2.2)		481 (2.1)		482 (2.9)		479 (3.4)	
	Mexico	1.2 (0.1)	435 (2.5)		372 (11.9)		c	c	367 (14.0)	
	Netherlands	10.7 (0.9)	523 (2.6)		483 (6.5)		488 (6.9)		464 (11.9)	
	New Zealand	27.1 (1.2)	539 (2.8)		529 (4.6)		531 (6.8)		528 (5.3)	
	Norway	12.0 (1.0)	510 (2.5)		462 (5.7)		476 (7.6)		449 (7.4)	
	Poland	0.3 (0.1)	m	m	m	m	m	m	m	m
	Portugal	7.3 (0.4)	501 (2.7)		481 (6.1)		501 (9.2)		464 (8.2)	
	Slovak Republic	1.2 (0.2)	466 (2.3)		398 (14.8)		400 (21.2)		396 (21.7)	
	Slovenia	7.8 (0.5)	507 (1.8)		457 (6.4)		471 (8.1)		439 (9.4)	
	Spain	11.0 (0.8)	502 (2.0)		473 (6.3)		487 (12.1)		470 (6.5)	
	Sweden	17.4 (1.2)	522 (3.1)		463 (6.9)		479 (9.0)		443 (8.4)	
	Switzerland	31.1 (1.2)	m	m	m	m	m	m	m	m
	Turkey	0.8 (0.2)	424 (3.4)		435 (15.6)		442 (17.5)		c	c
	United Kingdom	16.7 (1.0)	524 (2.8)		511 (6.4)		519 (6.4)		503 (8.4)	
	United States	23.1 (1.5)	528 (3.7)		508 (5.9)		515 (6.9)		493 (7.5)	
	OECD average-32	12.2 (0.1)	505 (0.5)		469 (1.9)		482 (2.0)		459 (2.2)	
	OECD average-35	12.5 (0.1)	m	m	m	m	m	m	m	m
Partners	Brazil	0.8 (0.1)	416 (2.4)		365 (12.6)		370 (14.5)		356 (20.9)	
	B-S-J-G (China)	0.3 (0.1)	498 (3.9)		373 (24.8)		c	c	c	c
	Bulgaria	1.0 (0.1)	448 (3.7)		406 (14.2)		c	c	c	c
	Colombia	0.6 (0.1)	431 (2.3)		404 (16.4)		393 (18.1)		c	c
	Costa Rica	8.0 (0.6)	443 (2.4)		427 (5.6)		420 (5.5)		442 (12.0)	
	Croatia	10.8 (0.6)	477 (2.5)		454 (4.9)		456 (5.5)		444 (10.8)	
	Cyprus*	11.3 (0.4)	446 (1.8)		446 (4.9)		468 (7.6)		437 (6.0)	
	Dominican Republic	1.8 (0.3)	m	m	m	m	m	m	m	m
	Hong Kong (China)	35.1 (1.3)	547 (3.2)		533 (3.9)		536 (4.4)		529 (4.6)	
	Lithuania	1.8 (0.2)	470 (2.4)		459 (11.0)		470 (10.5)		420 (29.7)	
	Macao (China)	62.2 (0.7)	523 (2.2)		540 (1.9)		541 (2.4)		538 (3.2)	
	Montenegro	5.6 (0.3)	417 (1.3)		431 (6.1)		438 (7.5)		419 (9.6)	
	Peru	0.5 (0.1)	419 (2.5)		386 (18.6)		c	c	c	c
	Qatar	55.2 (0.4)	m	m	m	m	m	m	m	m
	Russia	6.9 (0.5)	475 (3.6)		477 (8.4)		473 (11.7)		483 (12.1)	
	Singapore	20.9 (1.0)	559 (1.4)		575 (3.6)		588 (5.7)		569 (4.4)	
	Chinese Taipei	0.3 (0.1)	527 (2.5)		c	c	c	c	c	c
	Thailand	0.8 (0.3)	438 (3.5)		416 (15.7)		413 (16.0)		c	c
	Tunisia	1.5 (0.2)	384 (1.9)		355 (7.6)		347 (8.2)		c	c
	United Arab Emirates	57.6 (0.9)	404 (2.4)		464 (3.1)		451 (3.6)		472 (3.7)	
	Uruguay	0.6 (0.1)	444 (2.3)		463 (24.3)		c	c	c	c
	Malaysia**	0.9 (0.2)	442 (3.3)		432 (14.7)		428 (15.3)		c	c

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

The differences in performance after accounting for socio-economic status were obtained through regressions using dummy variables for first- and second-generation immigrants simultaneously, instead of through performing separate regressions on restricted samples of non-immigrants and first-generation immigrants, and of non-immigrants and second-generation immigrants.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 2/2]

Table V.4.14a Performance in collaborative problem solving, by immigrant background

		Score-point difference in collaborative problem-solving performance											
		Before accounting for gender and students' socio-economic status						After accounting for gender and students' socio-economic status					
		Non-immigrants minus immigrants		Non-immigrants minus Second-generation immigrants		Non-immigrants minus First-generation immigrants		Non-immigrants minus immigrants		Non-immigrants minus Second-generation immigrants		Non-immigrants minus First-generation immigrants	
		Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	0	(3.7)	-13	(4.7)	13	(4.7)	-2	(3.4)	-15	(4.6)	11	(4.2)
	Austria	52	(6.0)	43	(5.6)	68	(9.1)	34	(5.5)	25	(5.8)	48	(7.6)
	Belgium	57	(4.9)	54	(5.6)	60	(6.9)	39	(4.5)	36	(5.2)	43	(6.2)
	Canada	3	(3.8)	-1	(4.8)	7	(4.4)	3	(3.6)	-4	(4.5)	10	(4.2)
	Chile	23	(13.2)	9	(27.3)	28	(13.5)	15	(11.8)	12	(24.3)	17	(12.7)
	Czech Republic	11	(10.7)	-5	(12.7)	27	(13.5)	6	(10.7)	-17	(12.8)	27	(13.5)
	Denmark	61	(4.3)	57	(4.4)	72	(9.6)	48	(4.8)	42	(5.4)	63	(9.5)
	Estonia	49	(5.0)	50	(5.0)	30	(20.8)	46	(4.8)	46	(4.9)	35	(20.6)
	Finland	81	(9.8)	69	(11.9)	91	(12.2)	63	(9.9)	51	(11.4)	73	(12.8)
	France	51	(6.9)	39	(7.6)	73	(9.3)	28	(7.0)	19	(7.7)	47	(9.6)
	Germany	49	(6.2)	43	(6.1)	70	(10.6)	32	(5.8)	25	(5.8)	57	(10.4)
	Greece	40	(5.9)	31	(7.4)	57	(9.4)	21	(6.3)	16	(7.6)	32	(10.1)
	Hungary	-12	(11.5)	-23	(12.7)	3	(19.9)	-1	(10.7)	-2	(12.4)	-1	(19.2)
	Iceland	54	(9.7)	35	(18.7)	63	(12.0)	46	(9.8)	25	(19.0)	54	(12.4)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	4	(7.1)	-15	(6.8)	62	(12.3)	-8	(6.0)	-23	(6.4)	40	(9.7)
	Italy	13	(4.9)	14	(8.0)	13	(6.5)	1	(5.1)	5	(8.5)	-1	(6.9)
	Japan	121	(37.6)	c	c	c	c	121	(36.8)	c	c	c	c
	Korea	c	c	m	m	c	c	c	c	m	m	c	c
	Latvia	15	(7.4)	10	(7.6)	32	(20.3)	20	(7.1)	16	(7.3)	37	(19.9)
	Luxembourg	25	(2.9)	24	(3.8)	27	(3.7)	4	(3.4)	1	(4.1)	9	(3.9)
	Mexico	63	(12.2)	c	c	68	(14.4)	48	(12.2)	c	c	48	(14.8)
	Netherlands	40	(7.1)	35	(7.6)	60	(12.0)	22	(6.5)	17	(7.1)	42	(11.4)
	New Zealand	10	(5.3)	9	(7.3)	11	(5.8)	10	(4.9)	3	(6.7)	15	(5.4)
	Norway	48	(5.7)	34	(7.9)	61	(7.1)	36	(5.7)	24	(7.9)	48	(6.8)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	20	(6.2)	-1	(8.9)	36	(8.6)	19	(6.1)	5	(8.9)	31	(8.7)
	Slovak Republic	68	(14.8)	65	(21.5)	70	(21.5)	66	(14.2)	57	(20.9)	75	(21.8)
	Slovenia	50	(6.7)	36	(8.2)	68	(9.8)	30	(7.1)	17	(8.3)	46	(10.3)
	Spain	29	(6.0)	15	(12.1)	32	(6.2)	19	(6.1)	5	(12.1)	22	(6.3)
	Sweden	59	(6.3)	43	(8.1)	79	(8.6)	43	(6.1)	31	(7.5)	59	(8.4)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	-11	(15.4)	-18	(17.2)	c	c	4	(15.9)	-3	(17.0)	c	c
	United Kingdom	13	(6.6)	5	(6.4)	21	(8.8)	10	(5.9)	1	(6.1)	18	(7.8)
	United States	20	(6.0)	13	(7.0)	35	(7.7)	-3	(6.1)	-9	(7.0)	9	(8.5)
	OECD average-32	36	(1.9)	23	(2.0)	46	(2.2)	26	(1.8)	14	(2.0)	35	(2.1)
	OECD average-35	m	m	m	m	m	m	m	m	m	m	m	m
Partners	Brazil	51	(12.6)	46	(14.5)	60	(20.8)	48	(12.5)	44	(14.8)	58	(20.7)
	B-S-J-G (China)	125	(24.9)	c	c	c	c	126	(23.7)	c	c	120	(23.9)
	Bulgaria	42	(13.6)	c	c	c	c	32	(13.9)	c	c	16	(13.8)
	Colombia	27	(16.1)	37	(17.9)	c	c	39	(14.9)	43	(17.2)	c	c
	Costa Rica	16	(4.9)	23	(4.9)	1	(11.6)	3	(4.8)	8	(4.8)	-6	(10.8)
	Croatia	23	(4.6)	21	(5.2)	33	(10.7)	14	(4.2)	12	(4.8)	27	(9.8)
	Cyprus*	0	(4.8)	-22	(7.8)	9	(5.8)	-2	(4.7)	-20	(7.5)	5	(5.8)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	14	(3.9)	11	(4.2)	18	(4.7)	7	(3.9)	5	(4.3)	10	(4.7)
	Lithuania	11	(10.6)	0	(10.4)	50	(29.1)	11	(10.0)	4	(10.4)	37	(22.1)
	Macao (China)	-17	(3.3)	-18	(3.7)	-15	(4.0)	-19	(3.4)	-21	(3.8)	-16	(4.0)
	Montenegro	-15	(6.3)	-21	(7.5)	-2	(9.9)	-10	(6.2)	-15	(7.4)	-2	(9.5)
	Peru	32	(18.1)	c	c	c	c	38	(16.1)	c	c	c	c
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	-3	(8.9)	2	(12.9)	-9	(11.3)	-6	(8.8)	-1	(12.9)	-12	(11.6)
	Singapore	-16	(4.0)	-29	(5.9)	-10	(4.7)	0	(4.0)	-18	(5.7)	9	(4.8)
	Chinese Taipei	c	c	c	c	c	c	c	c	c	c	c	c
	Thailand	23	(16.0)	25	(16.2)	c	c	1	(20.3)	9	(18.3)	c	c
	Tunisia	29	(7.6)	37	(8.1)	c	c	34	(7.1)	41	(8.0)	c	c
	United Arab Emirates	-60	(3.6)	-47	(4.1)	-68	(4.0)	-61	(3.3)	-50	(4.0)	-68	(3.7)
	Uruguay	-19	(24.3)	c	c	c	c	-6	(22.3)	c	c	c	c
	Malaysia**	10	(14.9)	13	(15.4)	c	c	-4	(15.1)	-8	(15.9)	c	c

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

The differences in performance after accounting for socio-economic status were obtained through regressions using dummy variables for first- and second-generation immigrants simultaneously, instead of through performing separate regressions on restricted samples of non-immigrants and first-generation immigrants, and of non-immigrants and second-generation immigrants.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.4.14b Relative performance in collaborative problem solving, by immigrant background*After accounting for performance in science, reading and mathematics*

		Score-point difference in relative performance ¹ in collaborative problem solving																			
		Before accounting for gender and students' socio-economic status						After accounting for gender and students' socio-economic status						After accounting for gender, language spoken at home, and students' socio-economic status							
		Percentage of immigrant students in PISA 2015		Non-immigrants minus Immigrants		Non-immigrants minus Second-generation immigrants		Non-immigrants minus First-generation immigrants		Non-immigrants minus Immigrants		Non-immigrants minus Second-generation immigrants		Non-immigrants minus First-generation immigrants		Non-immigrants minus Immigrants		Non-immigrants minus Second-generation immigrants		Non-immigrants minus First-generation immigrants	
%	S.E.			Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	25.0	(0.7)	4	(2.7)	0	(3.7)	9	(3.5)	4	(2.6)	0	(3.4)	8	(3.4)	1	(2.4)	-2	(3.2)	5	(3.4)
	Austria	20.3	(1.1)	-4	(4.4)	-5	(4.3)	-2	(6.9)	-3	(4.5)	-4	(4.4)	-1	(6.8)	-5	(4.4)	-6	(4.6)	-3	(6.3)
	Belgium	17.7	(0.9)	6	(3.2)	6	(3.6)	6	(4.8)	6	(3.1)	7	(3.6)	5	(4.7)	3	(3.4)	4	(4.0)	2	(4.7)
	Canada	30.1	(1.3)	7	(3.0)	5	(4.0)	8	(3.6)	7	(3.0)	5	(4.0)	8	(3.5)	4	(3.2)	3	(4.0)	6	(3.8)
	Chile	2.1	(0.5)	2	(10.0)	5	(16.3)	1	(10.9)	0	(9.7)	4	(15.5)	-1	(10.7)	0	(9.7)	4	(15.5)	-1	(10.7)
	Czech Republic	3.4	(0.3)	-13	(7.5)	-20	(8.9)	-6	(10.4)	-12	(8.0)	-19	(9.2)	-6	(10.5)	-10	(8.9)	-17	(9.6)	-3	(11.9)
	Denmark	10.7	(0.6)	8	(2.9)	4	(3.3)	19	(6.5)	8	(3.3)	5	(3.8)	19	(6.4)	10	(3.6)	6	(3.8)	22	(7.4)
	Estonia	10.0	(0.5)	23	(4.0)	24	(4.0)	11	(14.6)	21	(3.8)	22	(3.8)	8	(14.2)	20	(3.9)	21	(3.9)	7	(14.4)
	Finland	4.0	(0.4)	9	(7.5)	16	(8.4)	4	(10.1)	10	(7.4)	15	(8.3)	6	(10.0)	3	(9.2)	8	(9.4)	-2	(11.8)
	France	13.2	(1.0)	5	(3.7)	4	(3.7)	7	(7.3)	5	(3.8)	4	(3.8)	8	(7.4)	6	(4.0)	5	(4.0)	10	(7.9)
	Germany	16.9	(0.9)	-6	(3.5)	-6	(3.8)	-5	(6.4)	-7	(3.3)	-7	(3.7)	-6	(6.6)	-9	(3.9)	-9	(4.0)	-9	(7.6)
	Greece	10.8	(0.7)	4	(4.6)	1	(5.4)	9	(7.5)	3	(4.7)	1	(5.4)	8	(7.8)	3	(5.0)	1	(5.5)	8	(8.5)
	Hungary	2.7	(0.2)	3	(9.0)	3	(7.5)	2	(17.2)	3	(9.0)	4	(7.5)	1	(17.4)	4	(8.9)	6	(7.5)	2	(17.3)
	Iceland	4.1	(0.3)	-17	(7.3)	-14	(13.2)	-18	(9.1)	-12	(7.5)	-12	(13.1)	-13	(9.3)	-19	(9.4)	-18	(14.5)	-20	(10.5)
	Ireland	14.4	(1.0)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	17.5	(1.0)	-9	(4.5)	-15	(5.0)	9	(7.2)	-9	(4.5)	-15	(5.0)	10	(7.0)	-10	(4.7)	-15	(5.0)	10	(7.5)
	Italy	8.0	(0.5)	-17	(4.4)	-5	(5.8)	-25	(5.9)	-16	(4.5)	-4	(5.9)	-24	(5.9)	-17	(4.8)	-5	(6.1)	-25	(6.2)
	Japan	0.5	(0.1)	60	(19.1)	c	c	c	c	66	(19.9)	c	c	c	c	32	(24.9)	c	c	c	c
	Korea	0.1	(0.0)	c	c	m	m	c	c	c	c	m	m	c	c	c	c	m	m	c	c
	Latvia	5.0	(0.4)	3	(5.4)	3	(5.0)	3	(15.9)	3	(5.4)	3	(4.9)	2	(16.6)	3	(5.5)	3	(5.0)	3	(17.0)
	Luxembourg	52.0	(0.6)	-6	(2.3)	-7	(2.6)	-6	(2.9)	-5	(2.5)	-6	(2.8)	-5	(3.0)	-3	(2.6)	-4	(2.8)	-3	(3.4)
	Mexico	1.2	(0.1)	-7	(10.8)	c	c	-10	(13.2)	-7	(10.6)	c	c	-11	(13.0)	-7	(10.8)	c	c	-11	(13.0)
	Netherlands	10.7	(0.9)	-2	(4.9)	-2	(5.8)	-1	(8.3)	0	(4.6)	-1	(5.7)	2	(8.1)	1	(5.6)	0	(6.3)	3	(8.8)
	New Zealand	27.1	(1.2)	6	(3.7)	1	(5.0)	9	(4.3)	6	(3.5)	2	(5.0)	9	(3.9)	4	(4.1)	0	(5.6)	6	(4.3)
	Norway	12.0	(1.0)	11	(4.9)	7	(6.8)	15	(5.1)	11	(4.7)	7	(6.5)	16	(4.9)	7	(6.2)	4	(7.2)	12	(6.9)
	Poland	0.3	(0.1)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	7.3	(0.4)	10	(5.4)	3	(6.4)	15	(7.2)	9	(5.5)	3	(6.5)	14	(7.3)	8	(5.6)	3	(6.3)	14	(8.1)
	Slovak Republic	1.2	(0.2)	10	(10.3)	15	(14.7)	5	(15.8)	9	(10.2)	13	(14.5)	5	(16.2)	13	(10.5)	16	(14.9)	10	(16.5)
	Slovenia	7.8	(0.5)	2	(5.3)	1	(6.0)	2	(8.2)	0	(5.2)	-1	(5.8)	2	(8.0)	2	(6.2)	1	(6.8)	4	(8.8)
	Spain	11.0	(0.8)	-4	(5.5)	-5	(9.5)	-3	(5.6)	-3	(5.6)	-5	(9.4)	-2	(5.8)	-4	(5.4)	-6	(9.2)	-3	(5.6)
	Sweden	17.4	(1.2)	7	(4.2)	7	(5.1)	6	(5.6)	7	(4.0)	7	(5.0)	7	(5.5)	0	(4.7)	1	(5.4)	-2	(6.4)
	Switzerland	31.1	(1.2)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	0.8	(0.2)	-23	(13.7)	-10	(14.1)	c	c	-20	(13.8)	-9	(14.6)	c	c	-22	(13.9)	-10	(14.5)	c	c
	United Kingdom	16.7	(1.0)	-4	(4.9)	-3	(5.3)	-5	(6.1)	-3	(4.8)	-1	(5.4)	-4	(5.8)	-5	(4.7)	-3	(5.3)	-7	(6.0)
	United States	23.1	(1.5)	-7	(3.9)	-6	(3.4)	-10	(7.1)	-7	(4.3)	-6	(3.9)	-11	(7.2)	-6	(4.7)	-5	(4.3)	-9	(8.0)
OECD average-32	12.2	(0.1)	2	(1.3)	0	(1.4)	2	(1.7)	2	(1.3)	0	(1.4)	2	(1.7)	0	(1.4)	0	(1.4)	1	(1.8)	
OECD average-35	12.5	(0.1)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
Partners	Brazil	0.8	(0.1)	-10	(9.7)	-16	(11.7)	0	(15.6)	-10	(9.4)	-14	(11.7)	-1	(16.0)	-8	(9.6)	-14	(11.7)	2	(16.6)
	B-S-J-G (China)	0.3	(0.1)	15	(24.2)	c	c	c	c	20	(22.4)	c	c	c	c	21	(22.2)	c	c	c	c
	Bulgaria	1.0	(0.1)	-22	(8.8)	c	c	c	c	-22	(9.0)	c	c	c	c	-23	(8.3)	c	c	c	c
	Colombia	0.6	(0.1)	-16	(14.0)	-20	(13.5)	c	c	-8	(13.2)	-11	(12.8)	c	c	-8	(13.3)	-11	(12.8)	c	c
	Costa Rica	8.0	(0.6)	-2	(3.9)	3	(4.4)	-12	(7.7)	-3	(4.0)	2	(4.5)	-12	(7.7)	-2	(4.1)	2	(4.6)	-12	(7.6)
	Croatia	10.8	(0.6)	5	(3.5)	2	(3.7)	18	(9.5)	4	(3.5)	2	(3.7)	17	(9.1)	4	(3.4)	2	(3.7)	18	(8.9)
	Cyprus*	11.3	(0.4)	-3	(4.0)	-14	(5.5)	2	(5.0)	-2	(3.9)	-13	(5.5)	3	(4.9)	-4	(4.2)	-15	(5.4)	1	(5.4)
	Dominican Republic	1.8	(0.3)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	35.1	(1.3)	4	(2.6)	4	(2.8)	5	(3.8)	6	(2.6)	5	(2.8)	7	(3.7)	6	(2.6)	5	(2.7)	7	(3.6)
	Lithuania	1.8	(0.2)	6	(8.2)	2	(7.6)	20	(20.0)	4	(8.2)	0	(7.7)	17	(19.2)	3	(8.4)	0	(7.9)	16	(19.3)
	Macao (China)	62.2	(0.7)	-1	(3.0)	-2	(3.1)	0	(3.4)	1	(2.9)	0	(3.1)	2	(3.2)	1	(2.9)	1	(3.2)	3	(3.2)
	Montenegro	5.6	(0.3)	-4	(5.5)	-8	(6.2)	5	(9.5)	-5	(5.3)	-8	(6.1)	2	(9.2)	-5	(5.4)	-8	(6.2)	1	(9.1)
	Peru	0.5	(0.1)	-5	(10.7)	c	c	c	c	0	(11.1)	c	c	c	c	0	(11.1)	c	c	c	c
	Qatar	55.2	(0.4)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	6.9	(0.5)	-9	(7.0)	-5	(9.1)	-14	(9.1)	-11	(7.0)	-7	(9.1)	-16	(9.3)	-12	(7.1)	-7	(9.1)	-17	(9.4)
	Singapore	20.9	(1.0)	5	(2.8)	2	(4.0)	7	(3.6)	4	(2.8)	1	(4.0)	6	(3.6)	4	(2.6)	1	(4.0)	6	(3.4)
	Chinese Taipei	0.3	(0.1)	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	Thailand	0.8	(0.3)	13	(12.0)	13	(13.1)	c	c	7	(12.4)	8	(12.7)	c	c	4	(12.9)	6	(13.3)	c	c
	Tunisia	1.5	(0.2)	-6	(7.1)	-2	(7.7)	c	c	0	(6.6)	4	(7.4)	c	c	1	(6.5)	5	(7.3)	c	c
	United Arab Emirates	57.6	(0.9)	5	(2.7)	7	(3.2)	3	(3.1)	3	(2.6)	5	(3.2)	1	(2.9)	3	(2.5)	5	(3.1)	1	(2.9)
	Uruguay	0.6	(0.1)	-24	(15.3)	c	c	c	c	-21	(15.0)	c	c	c	c	-23	(15.1)	c	c	c	c
	Malaysia**	0.9	(0.2)	-5	(12.4)	-8	(12.4)	c	c	-7	(12.9)	-11	(12.9)	c	c	-7	(12.8)	-11	(12.9)	c	c

1. Relative performance refers to the residual performance, attributable to purely «collaborative problem-solving» competencies, after accounting for performance in science, reading and mathematics in a regression performed across students at the national level.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

The differences in performance after accounting for socio-economic status were obtained through regressions using dummy variables for first- and second-generation immigrants simultaneously, instead of through performing separate regressions on restricted samples of non-immigrants and first-generation immigrants, and of non-immigrants and second-generation immigrants.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/2]

Table V.4.22 Performance in collaborative problem solving and the concentration of immigrant students*Results are for non-immigrant students*

		School-level proportion of immigrant students ¹										Performance in collaborative problem solving, by school-level proportion of immigrant students							
		Mean ²		Bottom quarter ³		Second quarter		Third quarter		Top quarter		Bottom quarter		Second quarter		Third quarter		Top quarter	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.
OECD	Australia	17.8	(0.5)	0.4	(0.4)	8.5	(0.5)	19.1	(0.8)	42.9	(1.0)	520	(4.5)	533	(4.1)	545	(4.2)	542	(4.0)
	Austria	14.4	(0.6)	2.3	(0.5)	7.3	(0.5)	14.0	(1.0)	34.2	(1.3)	520	(7.5)	530	(8.9)	522	(9.4)	513	(7.0)
	Belgium	13.1	(0.7)	1.2	(0.2)	5.4	(0.5)	11.6	(0.9)	34.4	(1.6)	523	(6.5)	520	(8.5)	515	(7.5)	497	(7.3)
	Canada	18.3	(0.9)	0.5	(0.2)	5.4	(0.5)	16.9	(1.5)	50.5	(1.8)	523	(4.7)	530	(5.8)	549	(5.4)	555	(4.3)
	Chile	1.8	(0.3)	0.0	c	0.0	c	0.3	(0.4)	6.7	(1.1)	454	(4.0)	455	(4.7)	467	(5.6)	461	(7.3)
	Czech Republic	2.9	(0.3)	0.0	c	0.0	c	1.9	(0.5)	9.8	(0.8)	499	(3.9)	497	(3.7)	504	(4.9)	502	(6.6)
	Denmark	8.1	(0.4)	0.2	(0.2)	3.5	(0.4)	7.8	(0.6)	21.0	(0.9)	530	(6.6)	529	(4.8)	526	(5.3)	525	(4.8)
	Estonia	8.2	(0.3)	0.0	c	2.3	(0.4)	6.2	(0.4)	24.3	(0.8)	540	(6.0)	553	(4.5)	558	(3.6)	515	(4.2)
	Finland	3.6	(0.4)	0.0	c	0.8	(0.4)	3.1	(0.4)	10.6	(1.0)	533	(4.9)	538	(5.8)	534	(6.8)	545	(6.2)
	France	10.2	(0.7)	0.1	(0.3)	3.8	(0.4)	9.2	(0.9)	27.7	(1.8)	507	(6.8)	515	(6.9)	504	(8.8)	490	(8.2)
	Germany	13.3	(0.7)	0.9	(0.3)	5.8	(0.6)	13.2	(0.9)	33.1	(1.6)	541	(8.3)	543	(7.7)	561	(7.6)	519	(6.5)
	Greece	8.9	(0.5)	0.3	(0.3)	4.0	(0.4)	8.9	(0.6)	22.2	(1.4)	477	(6.0)	475	(8.0)	462	(11.1)	446	(7.3)
	Hungary	2.5	(0.2)	0.0	c	0.0	c	2.1	(0.4)	7.8	(0.6)	461	(5.2)	449	(5.3)	487	(8.3)	494	(8.6)
	Iceland	3.7	(0.1)	0.0	c	0.7	(0.0)	3.6	(0.0)	10.4	(0.2)	500	(4.2)	499	(3.7)	511	(3.9)	504	(4.1)
	Ireland	12.7	(0.7)	2.9	(0.4)	7.8	(0.5)	13.7	(1.0)	26.5	(1.7)	m	m	m	m	m	m	m	m
	Israel	14.3	(0.7)	1.5	(0.3)	6.5	(0.8)	15.8	(1.0)	33.3	(1.7)	399	(10.1)	496	(15.0)	505	(11.6)	497	(8.1)
	Italy	6.8	(0.4)	0.0	c	2.7	(0.5)	7.3	(0.6)	17.2	(0.9)	467	(6.7)	497	(8.6)	480	(8.4)	479	(5.6)
	Japan	0.5	(0.1)	0.0	c	0.0	c	0.0	c	1.9	(0.4)	553	(3.3)	556	(3.6)	555	(3.7)	549	(5.7)
	Korea	0.1	(0.0)	0.0	c	0.0	c	0.0	c	0.3	(0.1)	540	(3.4)	536	(3.6)	537	(3.7)	541	(3.5)
	Latvia	4.4	(0.4)	0.0	c	0.0	c	2.9	(0.7)	14.8	(0.9)	485	(4.2)	486	(4.0)	486	(4.4)	489	(4.7)
	Luxembourg	43.1	(0.2)	25.1	(0.1)	33.4	(0.3)	47.1	(0.2)	66.7	(0.5)	523	(3.9)	539	(3.9)	499	(4.8)	466	(4.8)
	Mexico	1.2	(0.1)	0.0	c	0.0	c	0.0	(0.1)	4.6	(0.5)	443	(3.2)	443	(3.9)	442	(4.2)	413	(5.8)
	Netherlands	8.2	(0.7)	0.0	(0.0)	2.7	(0.5)	7.1	(1.0)	22.9	(1.6)	534	(9.1)	534	(8.4)	517	(8.8)	509	(8.7)
	New Zealand	21.5	(0.9)	4.6	(0.8)	14.4	(1.1)	22.8	(1.4)	44.4	(1.5)	527	(6.5)	542	(8.6)	541	(8.7)	552	(6.4)
	Norway	9.8	(0.6)	1.0	(0.4)	5.0	(0.4)	9.7	(0.6)	23.3	(1.5)	512	(5.6)	508	(6.3)	504	(5.2)	518	(4.9)
	Poland	0.2	(0.1)	0.0	c	0.0	c	0.0	c	0.9	(0.3)	m	m	m	m	m	m	m	m
	Portugal	6.5	(0.4)	0.0	c	2.3	(0.5)	6.5	(0.6)	17.2	(0.9)	493	(5.8)	496	(6.9)	508	(6.5)	506	(6.2)
	Slovak Republic	1.1	(0.1)	0.0	c	0.0	c	0.0	(0.1)	4.4	(0.5)	467	(4.1)	467	(3.7)	469	(4.3)	461	(6.6)
	Slovenia	6.5	(0.1)	0.0	c	2.3	(0.1)	6.1	(0.1)	17.7	(0.4)	511	(3.9)	522	(3.2)	511	(3.2)	484	(3.6)
	Spain	9.2	(0.5)	0.0	(0.1)	3.3	(0.4)	8.7	(1.0)	24.7	(1.3)	497	(4.4)	510	(5.1)	500	(5.2)	501	(4.0)
	Sweden	12.9	(0.7)	1.1	(0.4)	6.4	(0.7)	12.7	(0.8)	31.4	(1.7)	527	(6.8)	514	(6.5)	521	(4.6)	528	(6.2)
	Switzerland	26.1	(0.9)	8.9	(1.0)	18.6	(1.2)	29.0	(1.6)	48.2	(1.6)	m	m	m	m	m	m	m	m
	Turkey	0.7	(0.1)	0.0	c	0.0	c	0.0	c	2.9	(0.6)	423	(4.8)	423	(4.8)	424	(5.2)	425	(7.6)
	United Kingdom	11.5	(0.6)	0.0	(0.0)	3.7	(0.6)	10.0	(0.9)	32.4	(1.6)	526	(6.2)	529	(6.0)	530	(7.3)	516	(7.5)
	United States	16.1	(0.9)	0.8	(0.4)	7.0	(0.8)	15.4	(1.2)	41.0	(2.3)	522	(7.1)	530	(9.1)	539	(12.0)	522	(7.5)
	OECD average-32	9.4	(0.1)	1.2	(0.0)	4.3	(0.1)	9.1	(0.1)	23.0	(0.2)	502	(1.0)	509	(1.2)	510	(1.2)	502	(1.1)
	OECD average-35	9.7	(0.1)	1.5	(0.1)	4.7	(0.1)	9.5	(0.1)	23.2	(0.2)	m	m	m	m	m	m	m	m
Partners	Brazil	0.7	(0.1)	0.0	c	0.0	c	0.0	c	3.0	(0.3)	417	(3.1)	417	(3.4)	416	(3.2)	414	(4.8)
	B-S-J-G (China)	0.3	(0.1)	0.0	c	0.0	c	0.0	c	1.1	(0.2)	504	(5.1)	503	(5.4)	498	(4.4)	487	(5.6)
	Bulgaria	1.0	(0.1)	0.0	c	0.0	c	0.1	(0.3)	3.8	(0.3)	456	(5.2)	448	(5.6)	455	(6.6)	433	(10.6)
	Colombia	0.6	(0.1)	0.0	c	0.0	c	0.0	c	2.3	(0.4)	435	(3.2)	428	(3.1)	431	(3.5)	429	(5.9)
	Costa Rica	7.1	(0.5)	0.0	c	2.5	(0.6)	7.2	(0.7)	18.8	(1.2)	443	(5.5)	443	(8.1)	450	(7.6)	436	(6.2)
	Croatia	9.9	(0.5)	1.5	(0.4)	6.0	(0.6)	10.8	(0.6)	21.2	(1.2)	483	(7.8)	478	(8.9)	479	(10.0)	468	(7.0)
	Cyprus*	8.5	(0.1)	1.9	(0.0)	4.1	(0.0)	6.7	(0.0)	21.2	(0.3)	452	(3.0)	433	(3.7)	451	(3.4)	448	(3.6)
	Dominican Republic	1.7	(0.2)	0.0	c	0.0	c	0.5	(0.4)	6.3	(0.7)	m	m	m	m	m	m	m	m
	Hong Kong (China)	31.0	(1.1)	13.0	(1.5)	25.4	(1.4)	34.4	(1.7)	51.1	(1.2)	559	(8.8)	555	(9.9)	551	(10.1)	526	(9.5)
	Lithuania	1.4	(0.1)	0.0	c	0.0	c	0.0	c	5.7	(0.5)	467	(3.5)	470	(3.4)	472	(3.9)	472	(5.7)
	Macao (China)	56.3	(0.3)	40.2	(0.2)	48.2	(0.2)	61.2	(0.7)	75.8	(0.3)	529	(5.3)	523	(4.8)	510	(5.1)	533	(4.8)
	Montenegro	5.3	(0.1)	0.9	(0.0)	2.8	(0.0)	5.3	(0.1)	12.3	(0.2)	407	(2.8)	409	(2.5)	422	(2.7)	428	(2.7)
	Peru	0.4	(0.1)	0.0	c	0.0	c	0.0	c	1.7	(0.4)	420	(3.7)	418	(3.5)	418	(3.3)	418	(4.8)
	Qatar	33.4	(0.2)	11.6	(0.1)	22.7	(0.1)	36.7	(0.3)	62.5	(0.5)	m	m	m	m	m	m	m	m
	Russia	6.2	(0.5)	0.1	(0.2)	3.4	(0.4)	6.7	(0.4)	14.8	(1.2)	460	(6.7)	474	(7.5)	481	(8.5)	485	(9.0)
	Singapore	17.1	(0.2)	7.4	(0.1)	13.4	(0.1)	18.6	(0.1)	29.2	(0.7)	540	(3.1)	547	(3.2)	562	(3.5)	587	(3.4)
	Chinese Taipei	0.3	(0.1)	0.0	c	0.0	c	0.0	c	1.1	(0.2)	529	(3.5)	527	(3.7)	525	(3.5)	527	(4.3)
	Thailand	0.7	(0.2)	0.0	c	0.0	c	0.0	c	2.9	(0.9)	441	(4.7)	437	(4.7)	438	(4.8)	437	(4.9)
	Tunisia	1.4	(0.2)	0.0	c	0.0	c	0.8	(0.4)	4.9	(0.5)	390	(3.2)	392	(3.8)	385	(4.2)	369	(5.6)
	United Arab Emirates	27.0	(1.1)	3.2	(0.8)	14.6	(1.2)	28.4	(1.7)	61.7	(1.9)	413	(3.8)	395	(7.0)	400	(6.1)	409	(5.8)
	Uruguay	0.6	(0.1)	0.0	c	0.0	c	0.0	c	2.3	(0.4)	447	(3.7)	442	(3.8)	443	(3.4)	446	(5.1)
	Malaysia**	0.9	(0.2)	0.0	c	0.0	c	0.0	c	3.4	(0.7)	439	(4.1)	442	(4.6)	441	(4.4)	444	(6.0)

1. The school-level proportion of immigrant students is the proportion of students in each school who have an immigrant background.

2. The mean school-level proportion of immigrant students is equal to the average proportion of immigrant students in a school that a non-immigrant student attends.

3. Non-immigrant students are ranked according to the proportion of immigrant students in the school that they attend. The bottom quarter of this ranking are those non-immigrant students who attend schools with the smallest proportion of immigrant students, i.e. lowest immigrant diversity.

4. The socio-economic profile is measured by the PISA index of economic, social, and cultural status (ESCS).

5. Relative performance refers to the residual performance, attributable to purely «collaborative problem solving» competencies, after accounting for performance in science, reading and mathematics in a regression performed across students at the national level.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 2/2]

Table V.4.22 Performance in collaborative problem solving and the concentration of immigrant students

Results are for non-immigrant students

	Performance in collaborative problem solving, by school-level proportion of immigrant students ¹				Relative performance in collaborative problem solving ² , by school-level proportion of immigrant students			
	Difference (top – bottom quarter)				Difference (top – bottom quarter)			
	Before accounting for gender, and students' and schools' socio-economic profile ⁴		After accounting for gender, and students' and schools' socio-economic profile		Before accounting for gender, and students' and schools' socio-economic profile		After accounting for gender, and students' and schools' socio-economic profile	
	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD								
Australia	21	(6.0)	8	(5.3)	2	(4.2)	1	(4.0)
Austria	-8	(10.0)	8	(8.1)	4	(4.2)	4	(4.2)
Belgium	-25	(9.7)	-9	(6.5)	-1	(4.4)	-2	(4.3)
Canada	32	(6.0)	9	(6.6)	5	(5.5)	5	(5.7)
Chile	7	(8.7)	-2	(6.6)	1	(4.3)	0	(4.1)
Czech Republic	3	(8.1)	-8	(5.7)	1	(3.8)	2	(3.7)
Denmark	-5	(8.2)	1	(7.1)	-3	(4.6)	-2	(4.8)
Estonia	-25	(6.6)	-29	(6.5)	-8	(4.6)	-8	(4.5)
Finland	12	(7.9)	2	(5.9)	-1	(4.8)	0	(4.8)
France	-17	(12.4)	-7	(6.6)	0	(3.9)	2	(3.9)
Germany	-21	(10.7)	1	(9.1)	5	(5.8)	6	(5.5)
Greece	-31	(9.8)	-4	(8.8)	-4	(4.6)	-1	(5.0)
Hungary	34	(11.3)	-3	(6.3)	4	(3.5)	1	(3.4)
Iceland	4	(5.2)	4	(4.7)	4	(4.1)	4	(4.1)
Ireland	m	m	m	m	m	m	m	m
Israel	98	(13.0)	84	(8.6)	41	(6.1)	47	(5.8)
Italy	11	(8.6)	21	(6.2)	6	(5.8)	6	(5.2)
Japan	-5	(6.4)	-3	(7.8)	5	(4.4)	3	(3.8)
Korea	0	(4.1)	-10	(11.3)	-4	(9.4)	-3	(6.9)
Latvia	3	(6.1)	-8	(5.2)	-3	(3.7)	-3	(3.7)
Luxembourg	-57	(5.8)	2	(7.8)	2	(4.5)	8	(5.0)
Mexico	-30	(7.1)	-11	(4.7)	-5	(3.8)	-2	(3.5)
Netherlands	-25	(13.7)	3	(8.7)	-1	(4.7)	-1	(4.5)
New Zealand	25	(8.5)	8	(8.2)	2	(5.4)	4	(5.1)
Norway	5	(7.4)	4	(6.8)	-3	(5.6)	-2	(5.6)
Poland	m	m	m	m	m	m	m	m
Portugal	13	(8.1)	-1	(5.9)	7	(5.0)	7	(5.0)
Slovak Republic	-6	(8.3)	-4	(5.5)	-1	(3.9)	-1	(3.6)
Slovenia	-27	(4.8)	-10	(4.5)	0	(3.6)	0	(3.6)
Spain	4	(5.9)	12	(5.5)	4	(3.8)	5	(3.9)
Sweden	1	(8.6)	20	(8.5)	7	(5.8)	8	(6.2)
Switzerland	m	m	m	m	m	m	m	m
Turkey	1	(9.6)	-13	(8.5)	2	(5.4)	1	(4.9)
United Kingdom	-10	(9.9)	-3	(8.7)	-4	(5.8)	-3	(5.5)
United States	0	(10.1)	14	(8.4)	7	(5.8)	8	(6.2)
OECD average-32	0	(1.5)	2	(1.3)	2	(0.9)	3	(0.8)
OECD average-35	m	m	m	m	m	m	m	m
Partners								
Brazil	-3	(5.6)	-6	(5.0)	3	(3.7)	3	(3.5)
B-S-J-G (China)	-16	(6.7)	-16	(8.8)	-1	(6.0)	0	(6.1)
Bulgaria	-24	(12.7)	-7	(6.4)	3	(3.4)	4	(3.2)
Colombia	-7	(6.9)	-12	(6.0)	4	(3.2)	2	(3.2)
Costa Rica	-7	(8.4)	-4	(6.1)	-2	(5.3)	-1	(5.2)
Croatia	-16	(9.9)	-3	(6.9)	5	(4.4)	4	(4.2)
Cyprus*	-4	(4.5)	-9	(4.8)	-3	(4.2)	-2	(4.1)
Dominican Republic	m	m	m	m	m	m	m	m
Hong Kong (China)	-33	(13.1)	11	(14.2)	4	(5.1)	2	(6.6)
Lithuania	5	(6.9)	-8	(6.0)	2	(3.3)	1	(3.3)
Macao (China)	4	(7.3)	39	(7.4)	6	(4.8)	4	(5.0)
Montenegro	21	(4.1)	-11	(4.9)	4	(3.5)	2	(4.0)
Peru	-3	(5.8)	-5	(5.8)	-2	(4.4)	-3	(4.6)
Qatar	m	m	m	m	m	m	m	m
Russia	26	(11.3)	8	(8.1)	17	(6.5)	12	(5.5)
Singapore	47	(4.8)	6	(4.8)	-3	(3.9)	0	(3.9)
Chinese Taipei	-2	(5.2)	-3	(6.9)	1	(5.1)	0	(5.3)
Thailand	-3	(6.1)	6	(6.8)	2	(5.8)	5	(5.4)
Tunisia	-20	(7.1)	-15	(4.7)	-4	(3.4)	-3	(3.4)
United Arab Emirates	-4	(7.0)	52	(14.6)	12	(11.5)	12	(10.8)
Uruguay	0	(6.4)	-3	(5.0)	-4	(4.1)	-3	(4.0)
Malaysia**	5	(6.9)	-11	(6.3)	0	(5.3)	-2	(5.4)

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3. Non-immigrant students are ranked according to the proportion of immigrant students in the school that they attend. The bottom quarter of this ranking are those non-immigrant students who attend schools with the smallest proportion of immigrant students, i.e. lowest immigrant diversity.

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5. Relative performance refers to the residual performance, attributable to purely «collaborative problem solving» competencies, after accounting for performance in science, reading and mathematics in a regression performed across students at the national level.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.5.1 Attitudes towards collaboration

		Valuing relationships										Valuing teamwork									
		Index of valuing relationships		Percentage of students who agreed/strongly agreed with the following statements:								Index of valuing teamwork		Percentage of students who agreed/strongly agreed with the following statements:							
				I am a good listener		I enjoy seeing my classmates be successful		I take into account what others are interested in		I enjoy considering different perspectives				I prefer working as part of a team to working alone		I find that teams make better decisions than individuals		I find that teamwork raises my own efficiency		I enjoy co-operating with peers	
Mean index	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	Mean index	S.E.	%	S.E.	%	S.E.	%	S.E.				
OECD	Australia	0.09	(0.01)	87.5	(0.3)	91.6	(0.3)	91.1	(0.3)	90.7	(0.3)	0.01	(0.01)	66.1	(0.5)	73.7	(0.5)	72.4	(0.4)	89.0	(0.3)
	Austria	0.24	(0.01)	88.6	(0.4)	82.8	(0.6)	88.2	(0.4)	81.5	(0.5)	0.19	(0.01)	69.1	(0.7)	75.1	(0.6)	67.2	(0.6)	87.4	(0.5)
	Belgium	-0.06	(0.01)	84.9	(0.4)	90.6	(0.4)	85.7	(0.5)	88.9	(0.4)	-0.11	(0.01)	66.2	(0.6)	71.1	(0.5)	63.0	(0.5)	84.9	(0.5)
	Canada	0.11	(0.01)	89.2	(0.3)	90.5	(0.3)	89.5	(0.3)	90.3	(0.4)	0.00	(0.01)	66.6	(0.4)	71.9	(0.5)	69.8	(0.4)	87.3	(0.3)
	Chile	0.08	(0.02)	86.5	(0.6)	90.5	(0.4)	79.9	(0.6)	90.2	(0.5)	0.21	(0.02)	71.8	(0.6)	74.7	(0.7)	81.1	(0.6)	93.1	(0.3)
	Czech Republic	-0.20	(0.01)	91.8	(0.4)	77.6	(0.6)	86.0	(0.6)	85.8	(0.6)	0.00	(0.02)	72.2	(0.7)	76.4	(0.7)	66.5	(0.7)	89.3	(0.5)
	Denmark	0.01	(0.01)	91.2	(0.4)	91.1	(0.4)	86.5	(0.5)	89.4	(0.4)	-0.12	(0.01)	64.5	(0.8)	66.8	(0.8)	60.8	(0.8)	90.1	(0.5)
	Estonia	0.03	(0.02)	88.0	(0.5)	89.0	(0.5)	91.7	(0.4)	87.1	(0.6)	-0.10	(0.02)	61.6	(0.8)	72.5	(0.7)	70.8	(0.7)	80.8	(0.6)
	Finland	-0.08	(0.01)	90.6	(0.5)	86.4	(0.6)	92.3	(0.4)	79.2	(0.7)	-0.22	(0.02)	62.9	(0.7)	71.7	(0.6)	59.5	(0.8)	82.9	(0.6)
	France	-0.07	(0.01)	86.3	(0.5)	86.8	(0.5)	82.7	(0.5)	88.3	(0.4)	0.11	(0.02)	70.6	(0.7)	72.1	(0.6)	76.4	(0.5)	85.2	(0.5)
	Germany	0.15	(0.02)	89.8	(0.4)	82.3	(0.5)	89.4	(0.4)	81.5	(0.5)	0.14	(0.02)	65.8	(0.7)	71.7	(0.6)	65.3	(0.6)	91.7	(0.4)
	Greece	0.03	(0.02)	85.2	(0.6)	90.0	(0.5)	86.8	(0.5)	90.9	(0.5)	0.18	(0.01)	71.9	(0.6)	82.7	(0.6)	75.7	(0.6)	88.5	(0.4)
	Hungary	-0.03	(0.02)	84.1	(0.6)	87.2	(0.5)	84.9	(0.5)	87.9	(0.5)	-0.02	(0.02)	74.0	(0.7)	77.0	(0.7)	66.8	(0.7)	85.7	(0.6)
	Iceland	-0.09	(0.02)	81.6	(0.7)	87.1	(0.5)	79.3	(0.6)	88.8	(0.6)	-0.20	(0.02)	58.2	(0.8)	62.6	(0.8)	64.9	(0.9)	86.7	(0.7)
	Ireland	0.03	(0.01)	84.5	(0.5)	93.0	(0.4)	89.5	(0.4)	89.1	(0.4)	0.04	(0.01)	67.9	(0.7)	74.1	(0.6)	72.0	(0.6)	87.6	(0.5)
	Israel	0.24	(0.02)	92.3	(0.5)	91.2	(0.5)	88.3	(0.5)	83.4	(0.6)	-0.03	(0.02)	63.7	(0.8)	73.4	(0.6)	63.9	(0.8)	87.9	(0.4)
	Italy	-0.14	(0.01)	85.5	(0.5)	85.2	(0.5)	77.6	(0.5)	91.0	(0.4)	0.02	(0.02)	71.5	(0.6)	73.6	(0.6)	70.9	(0.6)	87.7	(0.5)
	Japan	-0.22	(0.02)	76.8	(0.6)	86.0	(0.5)	78.0	(0.5)	67.5	(0.7)	-0.03	(0.02)	65.6	(0.7)	80.5	(0.6)	53.6	(0.7)	89.2	(0.4)
	Korea	-0.02	(0.02)	95.0	(0.3)	82.2	(0.6)	89.2	(0.5)	91.2	(0.4)	0.14	(0.01)	75.5	(0.7)	83.0	(0.5)	84.4	(0.5)	86.8	(0.5)
	Latvia	-0.30	(0.02)	80.7	(0.7)	83.8	(0.6)	81.5	(0.7)	82.0	(0.5)	-0.14	(0.02)	69.0	(0.7)	70.6	(0.8)	65.6	(0.8)	81.8	(0.6)
	Luxembourg	0.03	(0.01)	86.0	(0.5)	83.7	(0.5)	84.2	(0.5)	82.8	(0.5)	0.00	(0.01)	67.8	(0.7)	71.1	(0.7)	66.8	(0.6)	85.3	(0.5)
	Mexico	0.16	(0.02)	88.7	(0.4)	92.7	(0.4)	84.3	(0.5)	92.7	(0.4)	0.23	(0.01)	70.2	(0.6)	82.3	(0.6)	83.0	(0.5)	90.2	(0.4)
	Netherlands	-0.18	(0.01)	89.0	(0.5)	91.3	(0.4)	94.0	(0.3)	80.7	(0.5)	-0.26	(0.01)	63.9	(0.7)	62.8	(0.7)	68.1	(0.8)	84.1	(0.5)
	New Zealand	0.01	(0.02)	82.9	(0.7)	91.2	(0.5)	89.2	(0.5)	89.6	(0.4)	0.07	(0.02)	69.6	(0.7)	75.9	(0.7)	73.0	(0.7)	89.7	(0.5)
	Norway	0.11	(0.02)	87.7	(0.5)	88.0	(0.5)	92.5	(0.4)	88.6	(0.5)	-0.23	(0.02)	60.3	(0.8)	66.4	(0.8)	56.0	(0.8)	83.8	(0.6)
	Poland	-0.21	(0.02)	88.3	(0.6)	83.0	(0.7)	78.7	(0.8)	88.1	(0.5)	-0.06	(0.02)	73.5	(0.7)	71.4	(0.7)	68.7	(0.8)	85.2	(0.5)
	Portugal	0.37	(0.02)	93.2	(0.4)	96.1	(0.3)	93.0	(0.3)	93.7	(0.4)	0.32	(0.02)	71.8	(0.7)	83.0	(0.6)	81.0	(0.5)	94.9	(0.3)
	Slovak Republic	-0.34	(0.01)	77.8	(0.6)	78.5	(0.6)	83.7	(0.6)	82.8	(0.6)	-0.12	(0.02)	71.8	(0.6)	74.3	(0.7)	69.6	(0.6)	80.5	(0.6)
	Slovenia	-0.04	(0.01)	82.1	(0.7)	92.3	(0.4)	89.8	(0.5)	83.6	(0.6)	0.02	(0.01)	69.4	(0.7)	75.2	(0.7)	71.2	(0.7)	89.0	(0.5)
	Spain	0.19	(0.02)	93.3	(0.4)	90.2	(0.5)	85.5	(0.6)	92.0	(0.4)	0.15	(0.02)	66.8	(0.7)	75.4	(0.7)	72.2	(0.6)	92.6	(0.3)
	Sweden	0.05	(0.02)	87.0	(0.5)	87.0	(0.5)	89.6	(0.4)	86.0	(0.5)	-0.19	(0.02)	58.2	(0.8)	63.3	(0.7)	66.9	(0.7)	83.0	(0.6)
	Switzerland	0.19	(0.02)	87.0	(0.6)	88.3	(0.5)	88.2	(0.5)	86.2	(0.6)	0.22	(0.02)	73.1	(0.7)	75.5	(0.7)	71.6	(0.8)	91.1	(0.5)
	Turkey	0.00	(0.02)	86.4	(0.6)	83.3	(0.7)	75.6	(0.6)	88.3	(0.5)	-0.04	(0.01)	47.9	(0.7)	71.0	(0.7)	78.9	(0.7)	80.7	(0.6)
United Kingdom	-0.04	(0.02)	86.9	(0.5)	89.2	(0.5)	88.2	(0.5)	87.3	(0.5)	-0.04	(0.01)	68.4	(0.7)	73.9	(0.6)	71.6	(0.6)	85.6	(0.6)	
United States	0.13	(0.02)	89.8	(0.4)	93.0	(0.4)	86.3	(0.5)	90.8	(0.5)	0.06	(0.02)	69.0	(0.7)	75.0	(0.7)	74.2	(0.6)	87.0	(0.4)	
OECD average-32	0.01	(0.00)	87.1	(0.1)	87.8	(0.1)	86.4	(0.1)	86.7	(0.1)	0.00	(0.00)	66.9	(0.1)	73.5	(0.1)	69.7	(0.1)	86.9	(0.1)	
OECD average-35	0.01	(0.00)	87.0	(0.1)	87.8	(0.1)	86.3	(0.1)	86.8	(0.1)	0.01	(0.00)	67.3	(0.1)	73.5	(0.1)	69.8	(0.1)	87.0	(0.1)	
Partners	Brazil	-0.04	(0.01)	84.2	(0.3)	94.1	(0.2)	83.6	(0.4)	87.4	(0.3)	0.20	(0.01)	70.6	(0.5)	79.5	(0.4)	83.1	(0.4)	93.7	(0.3)
	B-S-J-G (China)	0.01	(0.02)	87.1	(0.6)	88.9	(0.5)	88.9	(0.5)	90.8	(0.4)	0.39	(0.01)	87.1	(0.5)	86.5	(0.4)	89.2	(0.5)	92.6	(0.4)
	Bulgaria	-0.03	(0.02)	88.1	(0.5)	86.6	(0.6)	79.9	(0.7)	89.2	(0.5)	-0.07	(0.02)	66.7	(0.8)	73.0	(0.7)	74.1	(0.8)	82.0	(0.7)
	Colombia	0.05	(0.01)	90.0	(0.4)	93.2	(0.3)	78.8	(0.6)	83.8	(0.6)	0.23	(0.01)	68.1	(0.6)	83.5	(0.5)	76.7	(0.5)	93.9	(0.3)
	Costa Rica	0.35	(0.02)	89.5	(0.5)	94.6	(0.3)	83.7	(0.5)	93.8	(0.4)	0.34	(0.02)	70.8	(0.6)	82.3	(0.6)	77.8	(0.6)	92.7	(0.3)
	Croatia	0.01	(0.02)	92.8	(0.4)	92.3	(0.4)	77.5	(0.7)	87.2	(0.5)	0.21	(0.02)	76.2	(0.6)	80.9	(0.6)	79.3	(0.7)	90.2	(0.5)
	Cyprus*	0.07	(0.01)	84.2	(0.5)	90.0	(0.4)	84.4	(0.5)	89.1	(0.4)	0.10	(0.01)	67.8	(0.6)	77.8	(0.5)	76.1	(0.6)	86.8	(0.5)
	Dominican Republic	0.27	(0.02)	88.3	(0.5)	90.1	(0.6)	84.1	(0.8)	82.9	(0.7)	0.51	(0.02)	73.5	(0.8)	81.9	(0.7)	82.4	(0.7)	93.8	(0.5)
	Hong Kong (China)	-0.04	(0.02)	89.8	(0.5)	84.8	(0.6)	89.7	(0.5)	91.7	(0.5)	0.05	(0.02)	71.0	(0.7)	80.2	(0.6)	76.9	(0.6)	84.5	(0.5)
	Lithuania	0.16	(0.02)	85.7	(0.5)	85.1	(0.7)	77.3	(0.6)	88.4	(0.5)	0.33	(0.02)	73.3	(0.6)	78.6	(0.6)	79.5	(0.6)	85.7	(0.5)
	Macao (China)	-0.15	(0.01)	84.1	(0.5)	84.9	(0.5)	85.7	(0.6)	89.5	(0.5)	0.01	(0.01)	69.0	(0.7)	74.2	(0.6)	79.8	(0.6)	84.0	(0.5)
	Montenegro	-0.05	(0.01)	82.6	(0.5)	94.7	(0.3)	80.9	(0.6)	84.2	(0.6)	-0.09	(0.01)	43.7	(0.7)	76.0	(0.6)	74.4	(0.7)	89.5	(0.4)
	Peru	-0.08	(0.01)	90.2	(0.4)	84.5	(0.5)	78.1	(0.6)	90.8	(0.4)	0.09	(0.01)	67.8	(0.7)	79.3	(0.6)	76.5	(0.6)	90.5	(0.4)
	Qatar	0.12	(0.01)	85.0	(0.4)	91.6	(0.2)	74.9	(0.4)	87.5	(0.3)	0.23	(0.01)	61.8	(0.5)	80.4	(0.4)	83.1	(0.4)	87.8	(0.3)
	Russia	-0.25	(0.02)	91.5	(0.5)	78.0	(0.8)	84.4	(0.6)	81.7	(0.6)	-0.18	(0.02)	71.7	(0.8)	67.7	(0.8)	70.4	(0.8)	80.3	(0.9)
	Singapore	0.32	(0.01)	91.8	(0.4)	91.4	(0.3)	91.5	(0.5)	95.4	(0.2)	0.27	(0.01)	72.6	(0.6)	82.3	(0.6)	80.1	(0.6)	92.1	(0.4)
	Chinese Taipei	0.22	(0.02)	92.4	(0.4)	90.6	(0.4)	92.4	(0.3)	92.8	(0.3)	0.37	(0.02)	84.8	(0.5)	84.1	(0.5)	85.2	(0.5)	90.5	(0.3)
	Thailand	0.10	(0.02)	90.4	(0.6)	97.8	(0.2)	92.7	(0.4)	88.9	(0.4)	0.37	(0.02)	83.0	(0.5)	90.5	(0.4)	87.2	(0.5)	96.4	(0.3)
	Tunisia	0.12	(0.02)	89.1	(0.5)	94.1	(0.4)	73.7	(0.7)	87.0	(0.6)	0.43	(0.02)	78.1	(0.7)	84.3	(0.6)	85.7	(0.6)	92.3	(0.4)
	United Arab Emirates	0.32	(0.01)	88.3	(0.4)	92.6	(0.3)	86.2	(0.4)	91.1	(0.3)	0.45	(0.02)	68.8	(0.5)	86.5	(0.4)	85.5	(0.4)	91.5	(0.3)
Uruguay	0.11	(0.02)	83.6	(0.5)	95.5	(0.3)	81.8	(0.6)	90.4	(0.4)	0.20	(0.01)	70.3	(0.6)	80.0	(0.5)	75.2	(0.7)	92.9	(0.4)	
Malaysia**	-0.02	(0.02)	87.4	(0.5)	94.1	(0.3)	75.4	(0.6)	90.1	(0.5)	0.59	(0.02)	87.5	(0.6)	91.0	(0.4)	92.3	(0.4)	95.7	(0.3)	

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Table V.5.2d Taking into account others' interests and performance in collaborative problem solving

		"I take into account what others are interested in"													
		Percentage of students who agreed/strongly agreed with the statement		Performance in collaborative problem solving				Difference (agreed/strongly agreed – disagreed/strongly disagreed)							
								Before accounting for gender, and students' and schools' socio-economic profile ¹				After accounting for gender, and students' and schools' socio-economic profile			
								Disagreed/strongly disagreed		Agreed/strongly agreed		Performance in collaborative problem solving		Relative performance in collaborative problem solving ²	
				%	S.E.	Mean score	S.E.	Mean score	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	91.2	(0.3)	493	(5.5)	539	(1.9)	46	(5.6)	7	(5.0)	29	(5.5)	5	(4.9)
	Austria	88.2	(0.4)	485	(5.2)	515	(2.6)	30	(5.1)	7	(4.1)	22	(4.9)	2	(4.0)
	Belgium	85.8	(0.5)	466	(3.7)	513	(2.4)	47	(3.3)	14	(2.5)	32	(3.1)	12	(2.5)
	Canada	89.5	(0.3)	498	(4.9)	543	(2.2)	44	(4.9)	13	(4.2)	34	(4.7)	11	(4.0)
	Chile	80.1	(0.6)	429	(4.1)	466	(2.7)	37	(4.1)	11	(3.0)	25	(3.8)	10	(2.8)
	Czech Republic	86.0	(0.5)	468	(5.0)	507	(2.0)	39	(4.7)	12	(3.5)	25	(4.2)	8	(3.6)
	Denmark	86.5	(0.5)	491	(3.7)	528	(2.7)	37	(4.1)	6	(3.4)	29	(4.1)	5	(3.3)
	Estonia	91.7	(0.4)	488	(6.0)	541	(2.5)	54	(5.8)	27	(4.3)	43	(5.3)	24	(4.0)
	Finland	92.3	(0.4)	498	(6.4)	539	(2.5)	41	(6.2)	11	(4.8)	32	(6.3)	8	(4.6)
	France	83.0	(0.5)	463	(4.6)	507	(2.5)	44	(4.8)	5	(4.1)	24	(4.3)	3	(3.9)
	Germany	89.7	(0.4)	506	(6.3)	538	(2.7)	32	(5.6)	8	(4.4)	24	(5.3)	3	(4.3)
	Greece	86.8	(0.5)	434	(5.9)	465	(3.4)	31	(5.0)	12	(3.3)	24	(4.7)	10	(3.3)
	Hungary	85.0	(0.5)	446	(4.4)	478	(2.6)	31	(4.8)	5	(3.2)	14	(4.3)	3	(3.2)
	Iceland	79.3	(0.6)	488	(4.7)	506	(2.5)	18	(4.9)	5	(3.6)	14	(4.8)	6	(3.6)
	Ireland	89.5	(0.4)	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	88.3	(0.5)	436	(5.0)	478	(3.6)	42	(4.6)	-1	(3.4)	27	(4.3)	-3	(3.4)
	Italy	77.6	(0.5)	449	(4.6)	489	(2.4)	41	(4.3)	13	(3.7)	29	(3.9)	10	(3.5)
	Japan	78.3	(0.5)	541	(4.1)	556	(2.7)	15	(3.8)	8	(3.0)	9	(3.5)	6	(2.9)
	Korea	89.2	(0.5)	514	(4.5)	542	(2.6)	27	(4.5)	4	(3.0)	16	(4.3)	3	(2.9)
	Latvia	81.6	(0.7)	464	(4.6)	491	(2.4)	26	(5.0)	4	(3.5)	17	(4.6)	1	(3.4)
	Luxembourg	84.2	(0.5)	455	(3.8)	501	(1.5)	46	(4.0)	10	(3.1)	31	(3.5)	7	(2.9)
	Mexico	84.3	(0.5)	415	(3.8)	437	(2.6)	22	(3.6)	3	(3.0)	16	(3.4)	2	(2.9)
	Netherlands	94.0	(0.3)	485	(7.1)	524	(2.4)	38	(6.9)	10	(5.1)	25	(6.2)	8	(5.0)
	New Zealand	89.3	(0.5)	486	(6.9)	543	(2.6)	57	(7.4)	21	(6.2)	46	(7.3)	21	(6.1)
	Norway	92.5	(0.4)	459	(6.6)	509	(2.6)	50	(7.0)	18	(5.1)	41	(6.7)	14	(5.0)
	Poland	78.7	(0.8)	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	93.0	(0.3)	485	(7.0)	500	(2.5)	15	(5.9)	12	(4.3)	11	(6.0)	9	(4.3)
	Slovak Republic	83.8	(0.6)	432	(3.9)	474	(2.4)	42	(4.0)	9	(2.9)	25	(3.6)	8	(2.9)
	Slovenia	89.9	(0.5)	463	(5.0)	508	(1.8)	45	(5.0)	12	(4.5)	30	(5.2)	9	(4.5)
	Spain	85.5	(0.6)	460	(4.4)	504	(2.2)	44	(4.4)	12	(4.1)	35	(4.2)	12	(3.9)
	Sweden	89.7	(0.4)	471	(5.7)	519	(3.3)	48	(5.4)	12	(4.0)	35	(4.9)	9	(4.1)
	Switzerland	88.2	(0.5)	m	m	m	m	m	m	m	m	m	m	m	m
Turkey	75.6	(0.6)	405	(4.2)	429	(3.4)	25	(2.6)	4	(2.3)	17	(2.6)	4	(2.3)	
United Kingdom	88.4	(0.5)	481	(4.7)	528	(2.7)	46	(4.8)	14	(3.9)	36	(4.5)	13	(3.8)	
United States	86.4	(0.5)	489	(6.7)	529	(3.4)	40	(6.0)	1	(4.1)	28	(5.7)	1	(4.0)	
OECD average-32	86.5	(0.1)	470	(0.9)	508	(0.5)	38	(0.9)	10	(0.7)	26	(0.8)	8	(0.7)	
OECD average-35	86.4	(0.1)	m	m	m	m	m	m	m	m	m	m	m	m	
Partners	Brazil	83.6	(0.4)	406	(3.1)	421	(2.5)	15	(3.1)	4	(3.2)	12	(3.0)	4	(3.2)
	B-S-J-G (China)	88.9	(0.5)	452	(5.8)	502	(3.9)	50	(5.1)	8	(4.0)	29	(4.5)	6	(4.2)
	Bulgaria	80.0	(0.7)	426	(4.8)	457	(3.6)	31	(4.3)	10	(3.2)	21	(3.8)	10	(3.3)
	Colombia	78.9	(0.6)	409	(3.1)	436	(2.3)	26	(2.8)	-2	(2.2)	15	(2.5)	-4	(2.2)
	Costa Rica	83.7	(0.5)	408	(4.1)	445	(2.6)	37	(4.0)	12	(3.9)	30	(3.8)	11	(3.9)
	Croatia	77.5	(0.7)	443	(3.8)	483	(2.4)	40	(3.5)	5	(2.9)	27	(3.4)	3	(2.9)
	Cyprus*	84.4	(0.5)	422	(3.8)	451	(1.9)	29	(3.9)	3	(3.3)	25	(3.6)	2	(3.3)
	Dominican Republic	84.1	(0.7)	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	89.8	(0.5)	524	(5.1)	544	(3.0)	19	(4.7)	5	(3.9)	13	(5.0)	3	(3.9)
	Lithuania	77.4	(0.6)	445	(3.1)	477	(2.6)	32	(3.4)	6	(2.8)	21	(3.2)	5	(2.8)
	Macao (China)	85.7	(0.6)	513	(4.6)	538	(1.4)	24	(5.0)	6	(4.0)	25	(4.9)	6	(4.0)
	Montenegro	81.0	(0.6)	400	(3.0)	424	(1.5)	23	(3.5)	7	(2.8)	19	(3.4)	5	(2.8)
	Peru	78.1	(0.6)	390	(3.1)	428	(2.6)	38	(3.1)	1	(2.4)	22	(2.8)	0	(2.3)
	Qatar	74.9	(0.4)	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	84.4	(0.6)	443	(5.1)	482	(3.5)	39	(3.9)	20	(3.4)	34	(3.7)	18	(3.2)
	Singapore	91.5	(0.5)	517	(4.9)	566	(1.4)	49	(5.2)	4	(3.9)	35	(4.8)	3	(3.9)
	Chinese Taipei	92.4	(0.3)	507	(4.9)	528	(2.5)	21	(4.4)	1	(3.7)	12	(4.2)	0	(3.6)
	Thailand	92.7	(0.4)	413	(7.0)	439	(3.4)	26	(5.7)	7	(4.5)	20	(5.1)	7	(4.5)
	Tunisia	73.7	(0.7)	371	(2.7)	388	(2.2)	18	(3.0)	4	(2.8)	14	(2.7)	4	(2.7)
	United Arab Emirates	86.2	(0.4)	421	(4.2)	441	(2.5)	20	(4.0)	4	(3.1)	16	(3.8)	3	(3.1)
	Uruguay	81.8	(0.6)	425	(3.6)	451	(2.3)	26	(3.7)	6	(3.5)	14	(3.4)	4	(3.4)
	Malaysia**	75.4	(0.6)	423	(3.7)	446	(3.5)	24	(3.2)	4	(2.5)	19	(3.0)	5	(2.5)

1. Socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Relative performance refers to the residual performance, attributable to purely "collaborative problem-solving" competencies, after accounting for performance in science, reading and mathematics in a regression performed across students at the national level. Whether a student agreed/strongly agreed with the statement "I take into account what others are interested in" was included as an explanatory variable in this regression.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616807>

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Table V.5.2e Finding that teams make better decisions and performance in collaborative problem solving

	"I find that teams make better decisions than individuals"											
	Percentage of students who agreed/strongly agreed with the statement		Performance in collaborative problem solving				Difference (agreed/strongly agreed – disagreed/strongly disagreed)					
							Before accounting for gender, and students' and schools' socio-economic profile ¹				After accounting for gender, and students' and schools' socio-economic profile	
			Disagreed/strongly disagreed		Agreed/strongly agreed		Performance in collaborative problem solving		Relative performance in collaborative problem solving ²		Performance in collaborative problem solving	
	%	S.E.	Mean score	S.E.	Mean score	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	73.6 (0.5)	547 (3.2)	530 (1.9)	-16 (3.0)	6 (2.6)	-9 (2.8)	8 (2.5)				
	Austria	75.1 (0.6)	521 (3.8)	509 (2.8)	-13 (4.1)	3 (3.5)	-3 (4.0)	3 (3.3)				
	Belgium	71.1 (0.5)	512 (3.1)	505 (2.6)	-7 (2.8)	3 (1.9)	-1 (2.5)	4 (2.0)				
	Canada	71.9 (0.5)	553 (2.9)	532 (2.4)	-21 (2.8)	3 (2.7)	-16 (2.8)	5 (2.5)				
	Chile	74.7 (0.7)	457 (4.3)	459 (2.7)	2 (3.9)	4 (3.1)	6 (3.8)	6 (3.1)				
	Czech Republic	76.4 (0.7)	502 (4.1)	502 (2.2)	0 (4.1)	8 (3.7)	6 (3.6)	9 (3.6)				
	Denmark	66.8 (0.8)	529 (3.4)	520 (2.6)	-9 (3.3)	3 (2.6)	-4 (3.3)	3 (2.6)				
	Estonia	72.5 (0.7)	541 (3.4)	535 (2.8)	-6 (3.7)	6 (2.7)	-3 (3.6)	7 (2.6)				
	Finland	71.7 (0.6)	542 (3.4)	534 (2.8)	-8 (3.4)	0 (2.3)	-1 (3.3)	3 (2.4)				
	France	72.1 (0.6)	507 (3.8)	496 (2.3)	-11 (3.4)	0 (3.0)	-4 (3.3)	1 (3.1)				
	Germany	71.8 (0.7)	545 (3.8)	531 (2.8)	-14 (3.2)	-2 (2.6)	-8 (2.9)	0 (2.4)				
	Greece	82.7 (0.6)	454 (5.4)	462 (3.4)	8 (4.5)	8 (2.9)	10 (3.6)	8 (2.8)				
	Hungary	77.0 (0.7)	482 (3.8)	470 (2.6)	-12 (4.1)	4 (2.8)	-5 (3.3)	4 (2.9)				
	Iceland	62.6 (0.9)	511 (3.6)	496 (2.6)	-16 (4.0)	0 (2.4)	-12 (3.9)	1 (2.4)				
	Ireland	74.2 (0.7)	m	m	m	m	m	m				
	Israel	73.4 (0.6)	484 (4.3)	469 (4.0)	-14 (4.3)	-4 (3.5)	-7 (3.9)	-3 (3.5)				
	Italy	73.6 (0.6)	487 (4.3)	478 (2.4)	-9 (4.0)	1 (3.5)	-3 (3.9)	1 (3.6)				
	Japan	80.6 (0.6)	545 (4.1)	554 (2.7)	9 (3.9)	8 (3.2)	8 (3.5)	6 (3.2)				
	Korea	83.0 (0.5)	540 (4.2)	538 (2.6)	-2 (3.7)	8 (2.7)	0 (3.5)	9 (2.6)				
	Latvia	70.6 (0.7)	499 (3.3)	480 (2.4)	-19 (3.2)	0 (2.3)	-13 (3.2)	1 (2.3)				
	Luxembourg	71.1 (0.7)	503 (3.0)	490 (1.8)	-13 (3.6)	1 (3.1)	-8 (3.4)	1 (3.1)				
	Mexico	82.3 (0.6)	436 (4.2)	433 (2.5)	-3 (3.8)	-1 (3.3)	4 (3.4)	1 (3.3)				
	Netherlands	62.7 (0.7)	529 (3.1)	517 (2.9)	-12 (3.4)	-2 (2.0)	-6 (3.1)	0 (2.0)				
	New Zealand	75.9 (0.7)	545 (4.4)	534 (2.6)	-11 (4.5)	6 (3.2)	-5 (4.0)	9 (3.1)				
	Norway	66.4 (0.8)	508 (3.1)	504 (2.8)	-5 (3.3)	8 (2.3)	-2 (3.1)	9 (2.4)				
	Poland	71.5 (0.7)	m	m	m	m	m	m				
	Portugal	83.0 (0.6)	506 (4.3)	498 (2.7)	-8 (3.7)	9 (3.2)	-1 (3.6)	10 (3.1)				
	Slovak Republic	74.3 (0.7)	463 (3.7)	469 (2.4)	7 (3.5)	5 (2.5)	5 (2.9)	5 (2.4)				
	Slovenia	75.2 (0.7)	511 (3.1)	501 (2.2)	-9 (3.8)	6 (2.8)	1 (3.5)	8 (2.8)				
	Spain	75.4 (0.7)	497 (3.2)	498 (2.4)	2 (3.4)	4 (2.8)	4 (3.4)	6 (2.9)				
	Sweden	63.3 (0.7)	520 (4.4)	510 (3.4)	-10 (3.7)	5 (3.2)	-5 (3.5)	7 (3.1)				
	Switzerland	75.5 (0.7)	m	m	m	m	m	m				
	Turkey	71.0 (0.7)	419 (4.1)	425 (3.5)	5 (2.9)	-1 (2.3)	5 (2.8)	0 (2.3)				
	United Kingdom	74.0 (0.6)	535 (3.8)	518 (2.8)	-17 (3.5)	1 (2.6)	-13 (3.3)	2 (2.6)				
	United States	74.9 (0.7)	539 (5.1)	518 (3.6)	-22 (4.3)	3 (3.2)	-17 (4.0)	5 (3.3)				
	OECD average-32	73.5 (0.1)	508 (0.7)	501 (0.5)	-8 (0.7)	3 (0.5)	-3 (0.6)	4 (0.5)				
	OECD average-35	73.5 (0.1)	m	m	m	m	m	m				
Partners	Brazil	79.5 (0.4)	422 (3.5)	418 (2.4)	-4 (3.0)	1 (2.7)	2 (2.8)	2 (2.7)				
	B-S-J-G (China)	86.5 (0.4)	488 (6.2)	498 (3.9)	10 (4.5)	6 (3.5)	10 (4.0)	6 (3.4)				
	Bulgaria	73.0 (0.7)	458 (4.4)	448 (3.7)	-10 (3.6)	1 (2.5)	-1 (3.3)	2 (2.5)				
	Colombia	83.5 (0.5)	430 (3.9)	430 (2.3)	0 (3.6)	0 (2.5)	6 (3.0)	1 (2.4)				
	Costa Rica	82.3 (0.6)	448 (4.3)	437 (2.6)	-11 (3.9)	6 (3.4)	-3 (3.9)	6 (3.5)				
	Croatia	80.9 (0.6)	472 (4.0)	475 (2.5)	3 (3.6)	11 (2.3)	10 (3.2)	12 (2.3)				
	Cyprus*	77.8 (0.5)	447 (4.1)	447 (1.9)	0 (4.2)	1 (3.6)	6 (3.9)	1 (3.7)				
	Dominican Republic	82.0 (0.7)	m	m	m	m	m	m				
	Hong Kong (China)	80.3 (0.6)	547 (3.7)	540 (3.2)	-7 (3.7)	1 (2.7)	-7 (3.6)	1 (2.7)				
	Lithuania	78.6 (0.6)	472 (4.5)	469 (2.5)	-4 (4.5)	1 (3.3)	1 (4.2)	2 (3.3)				
	Macao (China)	74.2 (0.6)	533 (2.8)	534 (1.6)	2 (3.6)	2 (2.9)	0 (3.6)	1 (2.9)				
	Montenegro	76.0 (0.6)	425 (2.8)	417 (1.4)	-8 (2.9)	2 (2.7)	-1 (2.8)	3 (2.6)				
	Peru	79.3 (0.6)	417 (3.9)	420 (2.5)	4 (3.2)	-2 (2.5)	4 (2.7)	-1 (2.4)				
	Qatar	80.4 (0.4)	m	m	m	m	m	m				
	Russia	67.7 (0.8)	478 (4.2)	475 (3.6)	-2 (3.5)	5 (2.7)	4 (3.1)	7 (2.6)				
	Singapore	82.3 (0.6)	578 (2.9)	558 (1.4)	-20 (3.4)	7 (2.6)	-11 (3.1)	7 (2.5)				
	Chinese Taipei	84.1 (0.5)	543 (4.0)	524 (2.4)	-20 (3.2)	-1 (2.2)	-12 (2.8)	0 (2.2)				
	Thailand	90.5 (0.4)	428 (6.6)	438 (3.4)	10 (5.4)	0 (3.7)	10 (5.0)	1 (3.8)				
	Tunisia	84.4 (0.5)	389 (3.4)	383 (2.0)	-6 (2.9)	-8 (2.4)	-2 (2.7)	-6 (2.4)				
	United Arab Emirates	86.5 (0.4)	451 (4.1)	436 (2.5)	-15 (3.7)	-6 (3.6)	-7 (3.4)	-5 (3.5)				
	Uruguay	80.0 (0.5)	463 (3.7)	443 (2.3)	-20 (3.7)	6 (2.6)	-11 (3.4)	7 (2.6)				
	Malaysia**	91.0 (0.4)	426 (6.1)	442 (3.3)	16 (5.2)	2 (3.0)	17 (4.8)	2 (2.9)				

1. Socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Relative performance refers to the residual performance, attributable to purely "collaborative problem-solving" competencies, after accounting for performance in science, reading and mathematics in a regression performed across students at the national level. Whether a student agreed/strongly agreed with the statement "I find that teams make better decisions than individuals" was included as an explanatory variable in this regression.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.5.3 Variation in attitudes towards co-operation

		Variation in the index of valuing relationships										Index of valuing teamwork		Variation in the index of valuing teamwork									
		Index of valuing relationships		Total variation ¹		Between-school variation ²		Within-school variation		Percentage of variation that lies within schools ³				Total variation		Between-school variation		Within-school variation		Percentage of variation that lies within schools			
				Variance	S.E.	Variance	S.E.	Variance	S.E.	%	S.E.					Variance	S.E.	Variance	S.E.	%	S.E.		
OECD	Australia	0.09	(0.01)	0.93	(0.01)	0.03	(0.01)	0.89	(0.01)	96.5	(0.5)	0.01	(0.01)	0.96	(0.01)	0.01	(0.00)	0.94	(0.02)	98.6	(0.4)		
	Austria	0.24	(0.01)	1.22	(0.02)	0.03	(0.01)	1.19	(0.02)	97.7	(0.5)	0.19	(0.01)	1.20	(0.02)	0.04	(0.01)	1.16	(0.02)	96.9	(0.6)		
	Belgium	-0.06	(0.01)	0.89	(0.02)	0.02	(0.00)	0.86	(0.02)	97.2	(0.5)	-0.11	(0.01)	0.98	(0.02)	0.03	(0.01)	0.95	(0.02)	97.0	(0.5)		
	Canada	0.11	(0.01)	1.03	(0.02)	0.02	(0.00)	1.03	(0.02)	98.3	(0.4)	0.00	(0.01)	1.09	(0.02)	0.01	(0.00)	1.08	(0.02)	99.2	(0.3)		
	Chile	0.08	(0.02)	1.10	(0.02)	0.04	(0.01)	1.05	(0.02)	96.2	(0.7)	0.21	(0.02)	0.93	(0.02)	0.02	(0.00)	0.92	(0.02)	98.3	(0.5)		
	Czech Republic	-0.20	(0.01)	0.82	(0.02)	0.03	(0.01)	0.76	(0.02)	96.2	(0.9)	0.00	(0.02)	0.90	(0.02)	0.02	(0.01)	0.88	(0.02)	98.3	(0.6)		
	Denmark	0.01	(0.01)	0.83	(0.02)	0.01	(0.00)	0.81	(0.02)	98.5	(0.6)	-0.12	(0.01)	0.90	(0.02)	0.02	(0.01)	0.88	(0.02)	98.0	(0.6)		
	Estonia	0.03	(0.02)	0.90	(0.02)	0.02	(0.01)	0.89	(0.02)	97.7	(0.6)	-0.10	(0.02)	0.93	(0.02)	0.01	(0.00)	0.93	(0.02)	98.5	(0.5)		
	Finland	-0.08	(0.01)	0.84	(0.02)	0.01	(0.00)	0.83	(0.02)	98.9	(0.6)	-0.22	(0.02)	0.86	(0.02)	0.01	(0.00)	0.85	(0.02)	98.8	(0.4)		
	France	-0.07	(0.01)	1.03	(0.02)	0.03	(0.01)	1.00	(0.02)	97.3	(0.6)	0.11	(0.02)	1.17	(0.02)	0.02	(0.01)	1.13	(0.02)	98.5	(0.5)		
	Germany	0.15	(0.02)	1.10	(0.02)	0.03	(0.01)	1.07	(0.02)	97.6	(0.7)	0.14	(0.02)	1.04	(0.02)	0.01	(0.01)	1.02	(0.02)	98.7	(0.6)		
	Greece	0.03	(0.02)	0.94	(0.02)	0.02	(0.01)	0.92	(0.02)	98.2	(0.6)	0.18	(0.01)	1.01	(0.02)	0.00	(0.00)	1.01	(0.02)	99.5	(0.4)		
	Hungary	-0.03	(0.02)	1.02	(0.02)	0.04	(0.01)	0.96	(0.02)	95.8	(0.7)	-0.02	(0.02)	1.02	(0.02)	0.01	(0.00)	1.01	(0.02)	99.3	(0.4)		
	Iceland	-0.09	(0.02)	1.10	(0.03)	0.02	(0.01)	1.10	(0.05)	98.5	(0.6)	-0.20	(0.02)	0.99	(0.03)	0.00	(0.01)	1.00	(0.04)	99.7	(0.5)		
	Ireland	0.03	(0.01)	0.87	(0.02)	0.01	(0.00)	0.86	(0.02)	98.8	(0.5)	0.04	(0.01)	1.01	(0.02)	0.01	(0.01)	1.01	(0.02)	99.2	(0.6)		
	Israel	0.24	(0.02)	1.20	(0.02)	0.03	(0.01)	1.16	(0.03)	97.8	(0.6)	-0.03	(0.02)	1.03	(0.02)	0.04	(0.01)	0.99	(0.02)	96.5	(0.6)		
	Italy	-0.14	(0.01)	0.90	(0.02)	0.02	(0.00)	0.88	(0.02)	98.0	(0.5)	0.02	(0.02)	0.95	(0.02)	0.02	(0.01)	0.92	(0.02)	97.5	(0.6)		
	Japan	-0.22	(0.02)	1.12	(0.02)	0.03	(0.01)	1.09	(0.02)	97.3	(0.6)	-0.03	(0.02)	1.01	(0.02)	0.02	(0.00)	0.99	(0.02)	97.6	(0.5)		
	Korea	-0.02	(0.02)	0.88	(0.02)	0.02	(0.00)	0.85	(0.02)	97.4	(0.5)	0.14	(0.01)	0.83	(0.02)	0.01	(0.00)	0.81	(0.02)	98.6	(0.5)		
	Latvia	-0.30	(0.02)	0.82	(0.03)	0.02	(0.01)	0.80	(0.02)	97.2	(0.7)	-0.14	(0.02)	1.00	(0.02)	0.02	(0.01)	0.97	(0.03)	98.4	(0.7)		
	Luxembourg	0.03	(0.01)	1.19	(0.02)	0.02	(0.01)	1.20	(0.05)	98.6	(0.4)	0.00	(0.01)	1.22	(0.02)	0.00	(0.00)	1.22	(0.04)	99.7	(0.2)		
	Mexico	0.16	(0.02)	1.08	(0.02)	0.04	(0.01)	1.04	(0.02)	96.7	(0.6)	0.23	(0.01)	0.91	(0.02)	0.02	(0.01)	0.90	(0.02)	98.1	(0.6)		
	Netherlands	-0.18	(0.01)	0.60	(0.02)	0.01	(0.00)	0.58	(0.02)	97.7	(0.7)	-0.26	(0.01)	0.63	(0.02)	0.01	(0.00)	0.63	(0.02)	98.9	(0.6)		
	New Zealand	0.01	(0.02)	0.93	(0.02)	0.03	(0.01)	0.90	(0.02)	96.8	(0.8)	0.07	(0.02)	0.99	(0.02)	0.02	(0.01)	0.96	(0.02)	98.1	(0.7)		
	Norway	0.11	(0.02)	1.04	(0.02)	0.03	(0.01)	1.02	(0.02)	97.6	(0.7)	-0.23	(0.02)	1.12	(0.02)	0.02	(0.01)	1.10	(0.02)	98.1	(0.6)		
	Poland	-0.21	(0.02)	0.84	(0.03)	0.01	(0.00)	0.83	(0.02)	99.1	(0.5)	-0.06	(0.02)	0.98	(0.03)	0.01	(0.01)	0.98	(0.03)	98.7	(0.5)		
	Portugal	0.37	(0.02)	0.96	(0.01)	0.02	(0.01)	0.92	(0.02)	97.5	(0.7)	0.32	(0.02)	0.98	(0.02)	0.01	(0.00)	0.96	(0.02)	98.7	(0.5)		
	Slovak Republic	-0.34	(0.01)	0.86	(0.02)	0.04	(0.01)	0.82	(0.02)	95.0	(1.0)	-0.12	(0.02)	0.90	(0.02)	0.02	(0.01)	0.88	(0.02)	97.8	(0.6)		
	Slovenia	-0.04	(0.01)	0.88	(0.02)	0.04	(0.01)	0.84	(0.02)	95.3	(0.9)	0.02	(0.01)	0.90	(0.02)	0.02	(0.01)	0.88	(0.02)	97.9	(0.7)		
	Spain	0.19	(0.02)	0.99	(0.02)	0.02	(0.00)	0.96	(0.02)	97.5	(0.5)	0.15	(0.02)	1.00	(0.02)	0.03	(0.01)	0.98	(0.02)	97.4	(0.6)		
	Sweden	0.05	(0.02)	1.09	(0.03)	0.02	(0.01)	1.08	(0.02)	97.9	(0.6)	-0.19	(0.02)	0.99	(0.02)	0.02	(0.01)	0.97	(0.02)	98.1	(0.7)		
	Switzerland	0.19	(0.02)	1.12	(0.02)	0.04	(0.01)	1.06	(0.02)	96.0	(0.7)	0.22	(0.02)	0.99	(0.02)	0.04	(0.01)	0.94	(0.02)	96.0	(0.7)		
	Turkey	0.00	(0.02)	1.27	(0.03)	0.04	(0.01)	1.19	(0.03)	96.6	(0.7)	-0.04	(0.01)	0.88	(0.02)	0.00	(0.00)	0.87	(0.02)	99.5	(0.3)		
	United Kingdom	-0.04	(0.02)	0.93	(0.02)	0.02	(0.00)	0.91	(0.02)	97.5	(0.5)	-0.04	(0.01)	0.96	(0.02)	0.01	(0.01)	0.94	(0.02)	98.6	(0.6)		
	United States	0.13	(0.02)	1.01	(0.02)	0.02	(0.01)	1.00	(0.02)	98.4	(0.5)	0.06	(0.02)	1.05	(0.02)	0.01	(0.00)	1.04	(0.02)	98.6	(0.4)		
	OECD average-32	0.01	(0.00)	0.98	(0.00)	0.03	(0.00)	0.96	(0.00)	97.4	(0.1)	0.00	(0.00)	0.98	(0.00)	0.02	(0.00)	0.96	(0.00)	98.4	(0.1)		
	OECD average-35	0.01	(0.00)	0.98	(0.00)	0.03	(0.00)	0.95	(0.00)	97.4	(0.1)	0.01	(0.00)	0.98	(0.00)	0.02	(0.00)	0.96	(0.00)	98.3	(0.1)		
Partners	Brazil	-0.04	(0.01)	0.92	(0.02)	0.02	(0.00)	0.89	(0.01)	97.5	(0.5)	0.20	(0.01)	0.82	(0.01)	0.01	(0.00)	0.80	(0.01)	99.2	(0.3)		
	B-S-J-G (China)	0.01	(0.02)	0.92	(0.02)	0.04	(0.01)	0.88	(0.02)	95.4	(0.9)	0.39	(0.01)	0.86	(0.02)	0.01	(0.00)	0.85	(0.02)	98.3	(0.5)		
	Bulgaria	-0.03	(0.02)	1.12	(0.03)	0.03	(0.01)	1.05	(0.03)	97.1	(0.7)	-0.07	(0.02)	1.06	(0.03)	0.02	(0.01)	1.02	(0.02)	98.4	(0.5)		
	Colombia	0.05	(0.01)	1.05	(0.02)	0.02	(0.01)	1.02	(0.02)	97.9	(0.5)	0.23	(0.01)	0.85	(0.02)	0.01	(0.00)	0.84	(0.02)	98.6	(0.5)		
	Costa Rica	0.35	(0.02)	1.17	(0.02)	0.01	(0.00)	1.14	(0.02)	98.8	(0.4)	0.34	(0.02)	1.06	(0.02)	0.02	(0.01)	1.03	(0.02)	98.0	(0.6)		
	Croatia	0.01	(0.02)	1.03	(0.02)	0.04	(0.01)	0.99	(0.02)	96.1	(0.6)	0.21	(0.02)	0.97	(0.02)	0.01	(0.00)	0.95	(0.02)	98.7	(0.5)		
	Cyprus*	0.07	(0.01)	1.14	(0.02)	0.04	(0.01)	1.11	(0.03)	96.9	(1.0)	0.10	(0.01)	1.03	(0.02)	0.02	(0.01)	1.01	(0.02)	97.8	(0.7)		
	Dominican Republic	0.27	(0.02)	1.56	(0.04)	0.02	(0.01)	1.53	(0.05)	99.0	(0.8)	0.51	(0.02)	1.21	(0.04)	0.01	(0.01)	1.17	(0.03)	99.6	(0.5)		
	Hong Kong (China)	-0.04	(0.02)	0.93	(0.03)	0.01	(0.00)	0.93	(0.03)	99.3	(0.4)	0.05	(0.02)	1.03	(0.03)	0.00	(0.00)	1.02	(0.03)	99.8	(0.3)		
	Lithuania	0.16	(0.02)	1.39	(0.03)	0.05	(0.01)	1.33	(0.03)	96.5	(0.8)	0.33	(0.02)	1.35	(0.03)	0.02	(0.01)	1.34	(0.03)	98.5	(0.5)		
	Macao (China)	-0.15	(0.01)	0.77	(0.02)	0.01	(0.00)	0.76	(0.03)	98.4	(0.5)	0.01	(0.01)	0.78	(0.02)	0.00	(0.00)	0.77	(0.03)	99.9	(0.3)		
	Montenegro	-0.05	(0.01)	1.05	(0.02)	0.01	(0.00)	1.03	(0.03)	99.1	(0.4)	-0.09	(0.01)	0.94	(0.02)	0.01	(0.00)	0.93	(0.03)	99.0	(0.5)		
	Peru	-0.08	(0.01)	0.96	(0.02)	0.05	(0.01)	0.91	(0.02)	94.8	(0.7)	0.09	(0.01)	0.77	(0.02)	0.02	(0.00)	0.75	(0.02)	97.9	(0.5)		
	Qatar	0.12	(0.01)	1.36	(0.02)	0.02	(0.01)	1.20	(0.08)	98.0	(0.4)	0.23	(0.01)	1.07	(0.01)	0.04	(0.01)	0.95	(0.05)	96.0	(1.0)		
	Russia	-0.25	(0.02)	0.86	(0.02)	0.01	(0.00)	0.86	(0.02)	98.9	(0.5)	-0.18	(0.02)	0.82	(0.02)	0.02	(0.00)	0.82	(0.02)	98.2	(0.5)		
	Singapore	0.32	(0.01)	1.02	(0.02)	0.01	(0.00)	1.01	(0.02)	98.8	(0.5)	0.27	(0.01)	1.06	(0.02)	0.02	(0.01)	1.05	(0.02)	98.4	(0.6)		
	Chinese Taipei	0.22	(0.02)	1.00	(0.01)	0.02	(0.00)	0.98	(0.02)	98.3	(0.4)	0.37	(0.02)	1.00	(0.02)	0.02	(0.00)	0.98	(0.02)	98.4	(0.4)		
	Thailand	0.10	(0.02)	0.71	(0.02)	0.02	(0.00)	0.69	(0.02)	97.2	(0.7)	0.37	(0.02)	0.66	(0.02)	0.02	(0.00)	0.64	(0.02)	97.4	(0.6)		
	Tunisia	0.12	(0.02)	1.11	(0.02)	0.03	(0.01)	1.08	(0.02)	97.2	(0.7)	0.43	(0.02)	1.05	(0.03)	0.02	(0.01)	1.03	(0.03)	98.1	(0.6)		
	United Arab Emirates	0.32	(0.01)	1.22	(0.02)	0.04	(0.01)	1.17	(0.02)	96.7	(0.5)	0.45	(0.02)	1.08	(0.02)	0.04	(0.01)	1.03	(0.02)	95.9	(0.5)		
	Uruguay	0.11	(0.02)	1.04	(0.02)																		

[Part 1/2]

Table V.5.4a Index of valuing relationships, by gender

		Boys										Girls									
		Index of valuing relationships		Percentage of students who agreed/strongly agreed with the following statements:								Index of valuing relationships		Percentage of students who agreed/strongly agreed with the following statements:							
				I am a good listener		I enjoy seeing my classmates be successful		I take into account what others are interested in		I enjoy considering different perspectives				I am a good listener		I enjoy seeing my classmates be successful		I take into account what others are interested in		I enjoy considering different perspectives	
		Mean index	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	Mean index	S.E.	%	S.E.	%	S.E.	%	S.E.		
OECD	Australia	0.00	(0.01)	84.4	(0.5)	90.1	(0.4)	89.6	(0.5)	88.9	(0.5)	0.17	(0.01)	90.7	(0.4)	93.2	(0.4)	92.5	(0.3)	92.4	(0.4)
	Austria	0.04	(0.02)	86.0	(0.6)	78.2	(0.9)	84.8	(0.7)	80.6	(0.7)	0.45	(0.02)	91.3	(0.5)	87.5	(0.8)	91.5	(0.6)	82.3	(0.7)
	Belgium	-0.16	(0.02)	82.2	(0.6)	88.2	(0.6)	84.2	(0.7)	88.5	(0.4)	0.03	(0.02)	87.7	(0.5)	92.9	(0.4)	87.1	(0.6)	89.4	(0.5)
	Canada	0.02	(0.02)	87.0	(0.5)	88.7	(0.4)	88.0	(0.5)	88.4	(0.5)	0.19	(0.02)	91.4	(0.4)	92.2	(0.4)	90.9	(0.4)	92.1	(0.4)
	Chile	-0.02	(0.02)	84.7	(0.7)	88.1	(0.6)	78.8	(0.9)	89.4	(0.7)	0.18	(0.02)	88.3	(0.7)	92.8	(0.6)	81.0	(0.8)	90.9	(0.6)
	Czech Republic	-0.33	(0.02)	88.5	(0.6)	74.0	(0.9)	82.0	(0.8)	83.8	(0.9)	-0.06	(0.02)	95.2	(0.5)	81.4	(0.9)	90.2	(0.7)	87.9	(0.7)
	Denmark	-0.08	(0.02)	88.6	(0.6)	90.0	(0.6)	84.9	(0.7)	86.8	(0.7)	0.10	(0.02)	93.8	(0.5)	92.3	(0.5)	88.1	(0.7)	92.0	(0.6)
	Estonia	-0.11	(0.02)	84.4	(0.7)	86.6	(0.8)	89.4	(0.7)	85.8	(0.9)	0.17	(0.02)	91.7	(0.5)	91.4	(0.6)	94.0	(0.4)	88.5	(0.6)
	Finland	-0.22	(0.02)	86.9	(0.8)	84.0	(0.8)	90.5	(0.6)	77.4	(1.0)	0.06	(0.02)	94.5	(0.4)	89.1	(0.7)	94.2	(0.5)	81.2	(0.9)
	France	-0.14	(0.02)	84.8	(0.8)	84.1	(0.7)	81.6	(0.7)	87.7	(0.7)	0.00	(0.02)	87.7	(0.6)	89.5	(0.6)	83.9	(0.8)	88.9	(0.6)
	Germany	0.01	(0.02)	87.7	(0.6)	78.4	(0.9)	86.9	(0.7)	81.6	(0.7)	0.30	(0.02)	91.8	(0.5)	86.1	(0.6)	91.8	(0.5)	81.3	(0.8)
	Greece	-0.06	(0.02)	81.6	(0.9)	88.7	(0.7)	84.3	(0.7)	88.5	(0.7)	0.13	(0.02)	89.0	(0.7)	91.4	(0.6)	89.3	(0.6)	93.3	(0.5)
	Hungary	-0.13	(0.02)	80.9	(0.9)	85.7	(0.8)	82.1	(0.8)	87.0	(0.6)	0.07	(0.02)	87.3	(0.7)	88.6	(0.7)	87.8	(0.6)	88.8	(0.7)
	Iceland	-0.11	(0.03)	81.1	(1.0)	85.2	(0.8)	77.8	(1.0)	87.1	(0.9)	-0.06	(0.02)	82.0	(0.9)	88.8	(0.7)	80.7	(1.0)	90.5	(0.7)
	Ireland	-0.12	(0.02)	80.7	(0.7)	90.4	(0.7)	87.4	(0.6)	87.7	(0.7)	0.18	(0.02)	88.6	(0.6)	95.7	(0.4)	91.7	(0.5)	90.4	(0.6)
	Israel	0.09	(0.03)	89.7	(0.7)	88.8	(0.7)	86.2	(0.9)	81.6	(0.9)	0.38	(0.02)	94.8	(0.5)	93.6	(0.5)	90.2	(0.5)	85.0	(0.7)
	Italy	-0.25	(0.02)	80.5	(0.7)	82.1	(0.8)	74.8	(0.8)	89.4	(0.6)	-0.02	(0.02)	90.3	(0.6)	88.2	(0.6)	80.4	(0.7)	92.6	(0.5)
	Japan	-0.32	(0.02)	73.3	(1.0)	81.4	(0.8)	75.9	(0.8)	68.8	(0.8)	-0.13	(0.02)	80.4	(0.9)	90.7	(0.6)	80.2	(0.6)	66.1	(0.9)
	Korea	-0.02	(0.02)	94.4	(0.4)	83.7	(0.8)	87.0	(0.7)	90.7	(0.6)	-0.01	(0.02)	95.7	(0.4)	80.6	(0.8)	91.5	(0.6)	91.7	(0.5)
	Latvia	-0.43	(0.02)	75.6	(0.9)	79.6	(0.8)	77.1	(0.9)	78.9	(0.9)	-0.17	(0.02)	85.7	(0.9)	87.9	(0.8)	85.7	(0.9)	85.0	(0.7)
	Luxembourg	-0.10	(0.02)	83.2	(0.7)	79.6	(0.8)	80.6	(0.7)	81.3	(0.8)	0.16	(0.02)	88.6	(0.6)	87.7	(0.6)	87.7	(0.7)	84.2	(0.8)
	Mexico	0.06	(0.02)	87.5	(0.6)	91.8	(0.6)	82.5	(0.8)	91.7	(0.5)	0.27	(0.02)	89.9	(0.7)	93.5	(0.5)	86.3	(0.6)	93.7	(0.5)
	Netherlands	-0.24	(0.02)	86.0	(0.8)	89.9	(0.6)	92.6	(0.5)	79.8	(0.8)	-0.13	(0.02)	91.9	(0.5)	92.7	(0.5)	95.3	(0.4)	81.5	(0.7)
	New Zealand	-0.11	(0.02)	80.0	(1.0)	89.3	(0.7)	88.5	(0.7)	87.8	(0.8)	0.13	(0.02)	85.7	(0.9)	93.0	(0.6)	89.9	(0.7)	91.4	(0.6)
	Norway	-0.06	(0.02)	84.5	(0.8)	84.7	(0.8)	89.8	(0.7)	85.1	(0.9)	0.28	(0.02)	90.9	(0.6)	91.2	(0.6)	95.1	(0.5)	92.1	(0.5)
	Poland	-0.26	(0.02)	87.0	(0.8)	82.1	(0.9)	77.2	(1.0)	86.8	(0.7)	-0.15	(0.02)	89.6	(0.7)	83.9	(0.9)	80.2	(1.0)	89.5	(0.6)
	Portugal	0.23	(0.02)	90.3	(0.6)	94.4	(0.5)	91.2	(0.6)	92.6	(0.6)	0.52	(0.02)	96.2	(0.3)	97.9	(0.3)	94.8	(0.4)	94.8	(0.4)
	Slovak Republic	-0.41	(0.02)	76.4	(0.8)	75.8	(1.0)	80.8	(0.8)	81.6	(0.8)	-0.27	(0.02)	79.4	(0.9)	81.3	(0.9)	86.8	(0.7)	84.1	(0.8)
	Slovenia	-0.17	(0.02)	78.6	(1.0)	90.6	(0.6)	87.0	(0.7)	80.4	(0.9)	0.10	(0.02)	85.8	(0.8)	94.0	(0.6)	92.7	(0.6)	86.9	(0.8)
	Spain	0.09	(0.02)	91.6	(0.6)	89.6	(0.7)	83.3	(0.9)	90.1	(0.6)	0.28	(0.02)	95.0	(0.5)	90.9	(0.6)	87.6	(0.7)	94.0	(0.4)
	Sweden	-0.03	(0.03)	85.8	(0.7)	85.1	(0.9)	87.2	(0.8)	84.0	(0.8)	0.13	(0.02)	88.3	(0.6)	88.8	(0.5)	92.0	(0.4)	87.9	(0.7)
	Switzerland	0.01	(0.03)	84.9	(0.8)	85.2	(0.8)	85.5	(0.9)	84.9	(0.9)	0.39	(0.02)	89.4	(0.7)	91.8	(0.6)	91.0	(0.5)	87.7	(0.6)
	Turkey	-0.11	(0.03)	84.1	(0.8)	83.6	(0.9)	74.5	(0.9)	86.1	(0.9)	0.10	(0.03)	88.7	(0.7)	83.1	(1.0)	76.6	(0.9)	90.4	(0.5)
	United Kingdom	-0.14	(0.02)	83.4	(0.8)	86.6	(0.7)	86.8	(0.6)	85.8	(0.7)	0.07	(0.02)	90.5	(0.6)	91.9	(0.6)	89.6	(0.6)	88.7	(0.6)
	United States	0.08	(0.03)	87.7	(0.7)	91.8	(0.5)	85.3	(0.8)	89.8	(0.7)	0.17	(0.02)	91.9	(0.6)	94.2	(0.4)	87.3	(0.7)	91.7	(0.6)
OECD average-32	-0.10	(0.00)	84.4	(0.1)	85.6	(0.1)	84.3	(0.1)	85.2	(0.1)	0.11	(0.00)	89.8	(0.1)	90.0	(0.1)	88.5	(0.1)	88.2	(0.1)	
OECD average-35	-0.10	(0.00)	84.4	(0.1)	85.6	(0.1)	84.2	(0.1)	85.3	(0.1)	0.11	(0.00)	89.7	(0.1)	90.0	(0.1)	88.5	(0.1)	88.3	(0.1)	
Partners	Brazil	-0.04	(0.02)	83.8	(0.5)	93.2	(0.4)	82.6	(0.5)	85.7	(0.4)	-0.05	(0.01)	84.5	(0.5)	95.0	(0.3)	84.5	(0.5)	88.8	(0.4)
	B-S-J-G (China)	-0.01	(0.02)	84.2	(0.8)	87.9	(0.6)	88.2	(0.6)	91.3	(0.5)	0.03	(0.02)	90.4	(0.6)	90.1	(0.7)	89.7	(0.6)	90.4	(0.6)
	Bulgaria	-0.13	(0.02)	84.1	(0.8)	84.2	(0.8)	78.0	(1.0)	87.4	(0.7)	0.07	(0.02)	92.4	(0.5)	89.3	(0.6)	82.0	(0.9)	91.2	(0.6)
	Colombia	-0.06	(0.02)	89.0	(0.6)	92.1	(0.6)	74.9	(0.8)	82.3	(1.0)	0.16	(0.02)	90.9	(0.4)	94.2	(0.4)	82.3	(0.6)	85.1	(0.7)
	Costa Rica	0.28	(0.02)	88.8	(0.6)	93.2	(0.4)	81.8	(0.8)	92.1	(0.5)	0.41	(0.02)	90.2	(0.6)	95.8	(0.4)	85.5	(0.7)	95.4	(0.5)
	Croatia	-0.16	(0.02)	90.4	(0.6)	89.9	(0.7)	74.0	(1.0)	84.2	(0.8)	0.16	(0.02)	95.1	(0.4)	94.5	(0.5)	80.7	(0.9)	90.1	(0.7)
	Cyprus*	-0.09	(0.02)	79.4	(0.8)	86.2	(0.6)	82.2	(0.8)	86.3	(0.6)	0.22	(0.02)	88.7	(0.6)	93.7	(0.5)	86.4	(0.7)	91.7	(0.6)
	Dominican Republic	0.17	(0.03)	86.7	(0.8)	89.6	(0.8)	81.9	(0.9)	80.5	(1.0)	0.37	(0.03)	89.8	(0.6)	90.5	(0.7)	86.2	(0.9)	85.1	(0.9)
	Hong Kong (China)	-0.06	(0.03)	86.8	(0.6)	81.8	(0.9)	87.6	(0.7)	90.8	(0.7)	-0.02	(0.02)	92.9	(0.6)	87.7	(0.7)	91.9	(0.7)	92.7	(0.5)
	Lithuania	0.02	(0.03)	81.6	(0.9)	82.2	(1.0)	74.3	(0.8)	86.1	(0.8)	0.30	(0.03)	89.9	(0.6)	88.1	(0.7)	80.3	(0.8)	90.7	(0.5)
	Macao (China)	-0.13	(0.02)	80.8	(0.7)	82.8	(0.7)	85.3	(0.7)	89.9	(0.6)	-0.17	(0.02)	87.5	(0.7)	87.0	(0.7)	86.0	(0.8)	89.1	(0.7)
	Montenegro	-0.17	(0.02)	80.2	(0.6)	93.2	(0.4)	78.1	(0.8)	80.4	(0.8)	0.07	(0.02)	84.9	(0.7)	96.3	(0.3)	83.7	(0.9)	87.9	(0.7)
	Peru	-0.15	(0.02)	89.1	(0.5)	83.5	(0.7)	76.6	(0.8)	90.0	(0.5)	-0.01	(0.02)	91.2	(0.5)	85.5	(0.7)	79.7	(0.8)	91.5	(0.6)
	Qatar	0.05	(0.02)	83.4	(0.5)	88.0	(0.4)	76.7	(0.6)	85.7	(0.4)	0.19	(0.01)	86.6	(0.5)	95.0	(0.3)	73.2	(0.5)	89.2	(0.4)
	Russia	-0.29	(0.02)	90.7	(0.7)	76.4	(1.0)	81.6	(1.1)	82.0	(0.6)	-0.21	(0.02)	92.2	(0.6)	79.5	(1.1)	87.1	(0.6)	81.3	(1.0)
	Singapore	0.30	(0.02)	89.5	(0.6)	90.3	(0.5)	90.8	(0.7)	95.2	(0.4)	0.33	(0.02)	94.2	(0.5)	92.6	(0.5)	92.3	(0.5)	95.6	(0.4)
	Chinese Taipei	0.16	(0.02)	89.7	(0.6)	89.1	(0.6)	91.3	(0.5)	92.6	(0.5)	0.28	(0.02)	95.2	(0.3)	92.1	(0.4)	93.5	(0.5)	93.0	(0.5)
	Thailand	0.07	(0.02)	87.3	(0.9)	96.4	(0.4)	91.9	(0.7)	87.3	(0.7)	0.12	(0.02)	92.8	(0.5)	98.8	(0.2)	93.3	(0.5)	90.2	(0.6)
	Tunisia	0.04	(0.02)	87.4	(0.7)	93.9	(0.6)	73.2	(1.1)	84.9	(0.9)	0.18	(0.02)	90.5	(0.6)	94.3	(0.4)	74.2	(0.8)	88.7	(0.7)
	United Arab Emirates	0.22	(0.02)	86.3	(0.6)	90.0	(0.5)	84.1	(0.5)	89.2	(0.5)	0.41	(0.03)	90.2	(0.5)	95.1	(0.4)	88.1	(0.7)	92.8	(0.4)
	Uruguay	0.05	(0.02)	81.7	(0.7)	94.6	(0.5)	79.1	(0.9)	88.8	(0.7)	0.17	(0.02)	85.2	(0.7)	96.3	(0.4)	84.2	(0.8)	91.8	(0.5)
Malaysia**	-0.09	(0.02)	84.7	(0.7)	93.7	(0.5)	76.4	(0.7)	89.1	(0.6)	0.04	(0.02)	89.8	(0.6)	94.4	(0.5)	74.6	(0.9)	91.0	(0.6)	

[Part 2/2]

Table V.5.4a Index of valuing relationships, by gender

		Gender difference (boys – girls):									
		Index of valuing relationships		Percentage of students who agreed/strongly agreed with the following statements:							
				I am a good listener		I enjoy seeing my classmates be successful		I take into account what others are interested in		I enjoy considering different perspectives	
				Dif.	S.E.	% dif.	S.E.	% dif.	S.E.	% dif.	S.E.
OECD	Australia	-0.17	(0.02)	-6.3	(0.6)	-3.1	(0.5)	-2.9	(0.5)	-3.5	(0.6)
	Austria	-0.42	(0.03)	-5.3	(0.9)	-9.3	(1.2)	-6.7	(0.9)	-1.7	(0.9)
	Belgium	-0.19	(0.03)	-5.5	(0.8)	-4.6	(0.7)	-2.9	(0.9)	-0.9	(0.6)
	Canada	-0.17	(0.02)	-4.4	(0.6)	-3.5	(0.6)	-2.9	(0.6)	-3.7	(0.6)
	Chile	-0.19	(0.03)	-3.6	(0.9)	-4.7	(0.9)	-2.2	(1.2)	-1.5	(0.9)
	Czech Republic	-0.27	(0.03)	-6.7	(0.8)	-7.4	(1.2)	-8.2	(1.0)	-4.1	(1.1)
	Denmark	-0.17	(0.03)	-5.2	(0.8)	-2.2	(0.7)	-3.2	(1.0)	-5.2	(0.9)
	Estonia	-0.29	(0.03)	-7.3	(0.9)	-4.7	(0.9)	-4.7	(0.8)	-2.6	(1.0)
	Finland	-0.28	(0.03)	-7.7	(0.8)	-5.1	(1.0)	-3.7	(0.8)	-3.8	(1.4)
	France	-0.15	(0.03)	-2.9	(0.9)	-5.4	(0.8)	-2.3	(1.1)	-1.2	(0.9)
	Germany	-0.29	(0.03)	-4.1	(0.8)	-7.7	(1.1)	-4.9	(0.9)	0.3	(1.1)
	Greece	-0.20	(0.03)	-7.4	(1.0)	-2.7	(0.9)	-5.0	(0.9)	-4.8	(0.7)
	Hungary	-0.19	(0.03)	-6.4	(1.0)	-3.0	(1.1)	-5.7	(1.1)	-1.8	(0.9)
	Iceland	-0.05	(0.04)	-0.9	(1.3)	-3.5	(1.1)	-2.9	(1.5)	-3.4	(1.0)
	Ireland	-0.29	(0.02)	-7.9	(1.0)	-5.2	(0.7)	-4.3	(0.7)	-2.7	(0.8)
	Israel	-0.29	(0.03)	-5.1	(0.8)	-4.8	(0.8)	-4.0	(1.0)	-3.4	(1.1)
	Italy	-0.23	(0.03)	-9.8	(0.9)	-6.1	(0.8)	-5.6	(1.1)	-3.2	(0.8)
	Japan	-0.19	(0.03)	-7.0	(1.3)	-9.3	(0.9)	-4.2	(1.1)	2.7	(1.1)
	Korea	-0.02	(0.03)	-1.3	(0.6)	3.1	(1.1)	-4.5	(1.0)	-0.9	(0.8)
	Latvia	-0.26	(0.03)	-10.1	(1.1)	-8.4	(1.2)	-8.6	(1.1)	-6.1	(1.2)
	Luxembourg	-0.26	(0.03)	-5.4	(0.9)	-8.2	(1.0)	-7.1	(1.0)	-2.9	(1.2)
	Mexico	-0.22	(0.02)	-2.4	(0.9)	-1.7	(0.7)	-3.8	(0.9)	-2.0	(0.6)
	Netherlands	-0.11	(0.02)	-5.9	(0.9)	-2.8	(0.7)	-2.7	(0.6)	-1.7	(1.0)
	New Zealand	-0.24	(0.03)	-5.6	(1.3)	-3.8	(0.8)	-1.4	(1.0)	-3.6	(1.1)
	Norway	-0.34	(0.03)	-6.4	(1.0)	-6.5	(0.9)	-5.4	(0.8)	-7.0	(1.0)
	Poland	-0.11	(0.03)	-2.6	(1.0)	-1.8	(1.3)	-2.9	(1.4)	-2.8	(0.9)
	Portugal	-0.30	(0.03)	-5.9	(0.7)	-3.5	(0.5)	-3.6	(0.8)	-2.3	(0.7)
	Slovak Republic	-0.14	(0.03)	-3.0	(1.3)	-5.5	(1.3)	-6.1	(1.0)	-2.4	(1.1)
	Slovenia	-0.27	(0.02)	-7.3	(1.2)	-3.4	(0.8)	-5.7	(0.9)	-6.5	(1.2)
	Spain	-0.19	(0.02)	-3.3	(0.7)	-1.2	(0.8)	-4.3	(0.9)	-3.9	(0.7)
	Sweden	-0.17	(0.03)	-2.4	(0.9)	-3.7	(1.1)	-4.8	(1.0)	-4.0	(1.1)
	Switzerland	-0.38	(0.03)	-4.5	(1.0)	-6.6	(1.0)	-5.5	(1.1)	-2.8	(1.0)
	Turkey	-0.21	(0.04)	-4.6	(1.0)	0.4	(1.2)	-2.1	(1.3)	-4.2	(1.0)
	United Kingdom	-0.21	(0.02)	-7.1	(0.9)	-5.4	(0.9)	-2.8	(0.7)	-2.8	(0.7)
	United States	-0.09	(0.03)	-4.2	(1.0)	-2.4	(0.6)	-2.0	(1.1)	-1.9	(0.8)
OECD average-32	-0.21	(0.01)	-5.3	(0.2)	-4.4	(0.2)	-4.3	(0.2)	-2.9	(0.2)	
OECD average-35	-0.21	(0.00)	-5.3	(0.2)	-4.4	(0.2)	-4.3	(0.2)	-2.9	(0.2)	
Partners	Brazil	0.01	(0.02)	-0.7	(0.7)	-1.8	(0.5)	-1.9	(0.6)	-3.1	(0.6)
	B-S-J-G (China)	-0.04	(0.02)	-6.2	(0.8)	-2.2	(0.9)	-1.5	(0.8)	0.9	(0.7)
	Bulgaria	-0.20	(0.03)	-8.3	(1.0)	-5.1	(1.0)	-4.0	(1.3)	-3.7	(1.0)
	Colombia	-0.22	(0.02)	-1.9	(0.7)	-2.1	(0.7)	-7.4	(0.9)	-2.8	(1.1)
	Costa Rica	-0.13	(0.03)	-1.4	(0.7)	-2.6	(0.5)	-3.7	(1.1)	-3.3	(0.6)
	Croatia	-0.32	(0.03)	-4.6	(0.7)	-4.6	(0.8)	-6.7	(1.3)	-5.9	(1.1)
	Cyprus*	-0.31	(0.03)	-9.3	(1.0)	-7.5	(0.8)	-4.2	(1.1)	-5.4	(0.9)
	Dominican Republic	-0.19	(0.04)	-3.0	(1.1)	-0.9	(1.0)	-4.3	(1.1)	-4.6	(1.4)
	Hong Kong (China)	-0.04	(0.03)	-6.1	(0.9)	-5.9	(1.1)	-4.3	(0.9)	-1.9	(0.8)
	Lithuania	-0.28	(0.04)	-8.3	(1.1)	-5.9	(1.1)	-6.0	(1.1)	-4.6	(0.9)
	Macao (China)	0.04	(0.02)	-6.7	(0.9)	-4.2	(1.0)	-0.7	(1.0)	0.8	(0.9)
	Montenegro	-0.25	(0.03)	-4.7	(1.0)	-3.1	(0.5)	-5.6	(1.1)	-7.5	(1.0)
	Peru	-0.14	(0.02)	-2.0	(0.6)	-2.0	(0.8)	-3.1	(1.0)	-1.5	(0.7)
	Qatar	-0.14	(0.02)	-3.3	(0.7)	-7.0	(0.5)	3.5	(0.8)	-3.6	(0.6)
	Russia	-0.08	(0.03)	-1.5	(0.8)	-3.0	(1.4)	-5.6	(1.2)	0.7	(1.1)
	Singapore	-0.03	(0.03)	-4.6	(0.8)	-2.3	(0.7)	-1.6	(0.8)	-0.4	(0.7)
	Chinese Taipei	-0.12	(0.02)	-5.5	(0.6)	-3.0	(0.7)	-2.2	(0.7)	-0.4	(0.6)
	Thailand	-0.05	(0.03)	-5.4	(1.0)	-2.4	(0.4)	-1.4	(0.8)	-2.9	(0.8)
	Tunisia	-0.14	(0.03)	-3.2	(0.9)	-0.4	(0.7)	-1.0	(1.2)	-3.7	(1.0)
	United Arab Emirates	-0.18	(0.03)	-3.9	(0.8)	-5.1	(0.6)	-4.0	(0.9)	-3.6	(0.7)
	Uruguay	-0.11	(0.03)	-3.5	(0.9)	-1.8	(0.6)	-5.1	(1.1)	-2.9	(0.8)
	Malaysia**	-0.13	(0.03)	-5.0	(0.8)	-0.7	(0.7)	1.8	(0.9)	-1.9	(0.7)

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/2]

Table V.5.4b Index of valuing teamwork, by gender

		Boys										Girls									
		Index of valuing teamwork		Percentage of students who agreed/strongly agreed with the following statements:								Index of valuing teamwork		Percentage of students who agreed/strongly agreed with the following statements:							
				I prefer working as part of a team to working alone		I find that teams make better decisions than individuals		I find that teamwork raises my own efficiency		I enjoy co-operating with peers				I prefer working as part of a team to working alone		I find that teams make better decisions than individuals		I find that teamwork raises my own efficiency		I enjoy co-operating with peers	
		Mean index	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	Mean index	S.E.	%	S.E.	%	S.E.	%	S.E.		
OECD	Australia	0.09	(0.01)	70.4	(0.7)	77.2	(0.6)	74.0	(0.6)	89.4	(0.5)	-0.08	(0.01)	61.8	(0.6)	70.2	(0.7)	70.8	(0.6)	88.5	(0.5)
	Austria	0.22	(0.02)	70.9	(0.8)	76.1	(0.8)	67.6	(1.0)	87.7	(0.7)	0.16	(0.02)	67.2	(1.1)	74.1	(1.0)	66.7	(0.8)	87.0	(0.7)
	Belgium	-0.04	(0.02)	68.9	(0.8)	74.1	(0.7)	64.0	(0.9)	85.7	(0.7)	-0.17	(0.02)	63.4	(0.7)	68.1	(0.8)	61.9	(0.6)	84.1	(0.5)
	Canada	0.12	(0.02)	72.7	(0.6)	75.5	(0.7)	72.9	(0.6)	88.2	(0.5)	-0.11	(0.01)	60.6	(0.7)	68.3	(0.7)	66.8	(0.7)	86.4	(0.5)
	Chile	0.26	(0.02)	73.9	(1.0)	77.7	(0.9)	82.2	(0.8)	93.1	(0.4)	0.15	(0.02)	69.7	(0.9)	71.6	(0.9)	80.1	(0.8)	93.2	(0.5)
	Czech Republic	0.03	(0.02)	72.6	(1.0)	77.7	(1.0)	68.2	(1.0)	88.4	(0.6)	-0.03	(0.02)	71.8	(0.9)	75.0	(0.9)	64.9	(1.0)	90.2	(0.7)
	Denmark	-0.04	(0.02)	67.7	(0.9)	69.6	(0.9)	63.2	(1.0)	91.2	(0.5)	-0.20	(0.02)	61.3	(1.1)	63.9	(1.1)	58.4	(1.1)	89.1	(0.7)
	Estonia	-0.05	(0.02)	63.8	(0.9)	74.8	(1.0)	72.0	(0.9)	82.5	(0.8)	-0.15	(0.02)	59.3	(1.1)	70.0	(0.9)	69.7	(1.0)	79.1	(0.9)
	Finland	-0.13	(0.02)	67.6	(1.0)	77.1	(0.7)	63.5	(1.0)	85.7	(0.8)	-0.31	(0.02)	57.8	(1.0)	66.0	(0.9)	55.3	(1.1)	79.9	(0.9)
	France	0.14	(0.02)	71.3	(0.9)	74.3	(0.9)	76.4	(0.7)	85.6	(0.6)	0.08	(0.02)	70.0	(1.0)	70.0	(0.9)	76.4	(0.8)	84.7	(0.7)
	Germany	0.18	(0.02)	68.1	(1.0)	73.3	(0.8)	65.0	(0.8)	91.9	(0.5)	0.11	(0.02)	63.6	(0.9)	70.1	(1.0)	65.6	(0.9)	91.5	(0.5)
	Greece	0.21	(0.02)	73.6	(0.9)	82.7	(0.8)	77.3	(0.8)	88.3	(0.6)	0.14	(0.02)	70.1	(0.8)	82.6	(0.8)	74.0	(0.9)	88.8	(0.6)
	Hungary	0.03	(0.02)	74.7	(0.9)	77.7	(0.9)	68.6	(0.9)	85.4	(0.8)	-0.06	(0.02)	73.4	(1.1)	76.4	(1.0)	65.0	(1.0)	86.0	(0.8)
	Iceland	-0.10	(0.03)	63.5	(1.2)	68.0	(1.3)	67.2	(1.2)	87.1	(1.0)	-0.29	(0.02)	53.4	(1.0)	57.7	(1.2)	62.8	(1.2)	86.3	(0.9)
	Ireland	0.07	(0.02)	70.3	(1.0)	75.3	(0.9)	71.9	(0.9)	88.8	(0.6)	0.01	(0.02)	65.4	(1.0)	72.8	(0.8)	72.1	(0.8)	86.4	(0.7)
	Israel	-0.04	(0.02)	63.7	(1.1)	74.1	(1.0)	65.4	(1.0)	86.1	(0.6)	-0.02	(0.02)	63.8	(1.0)	72.8	(0.8)	62.5	(1.0)	89.6	(0.6)
	Italy	0.09	(0.02)	73.7	(0.9)	75.0	(0.9)	72.1	(0.9)	88.1	(0.7)	-0.04	(0.02)	69.2	(0.8)	72.2	(0.9)	69.7	(0.8)	87.3	(0.7)
	Japan	-0.06	(0.02)	64.9	(0.9)	78.5	(0.9)	53.5	(0.9)	87.6	(0.7)	0.00	(0.02)	66.2	(0.9)	82.5	(0.7)	53.6	(1.0)	90.8	(0.5)
	Korea	0.22	(0.02)	80.0	(0.9)	84.4	(0.7)	85.5	(0.7)	87.9	(0.6)	0.06	(0.02)	70.6	(1.0)	81.5	(0.8)	83.3	(0.7)	85.6	(0.8)
	Latvia	-0.08	(0.02)	71.2	(0.8)	72.6	(1.0)	67.0	(1.1)	82.4	(0.8)	-0.19	(0.02)	66.8	(1.1)	68.6	(1.0)	64.2	(1.0)	81.1	(0.9)
	Luxembourg	0.05	(0.02)	69.8	(0.9)	71.8	(0.8)	67.1	(1.0)	86.2	(0.7)	-0.04	(0.02)	65.9	(0.9)	70.4	(0.9)	66.5	(0.8)	84.5	(0.7)
	Mexico	0.27	(0.02)	72.4	(0.8)	84.2	(0.8)	83.6	(0.8)	89.6	(0.6)	0.19	(0.02)	67.9	(0.8)	80.3	(0.7)	82.3	(0.8)	90.9	(0.6)
	Netherlands	-0.17	(0.02)	68.2	(0.9)	67.8	(1.1)	70.3	(1.0)	85.9	(0.7)	-0.34	(0.02)	59.8	(1.0)	57.9	(1.0)	66.0	(1.0)	82.3	(0.8)
	New Zealand	0.14	(0.02)	73.9	(0.8)	78.7	(0.9)	74.6	(1.0)	90.3	(0.7)	-0.01	(0.02)	65.3	(1.1)	73.1	(1.0)	71.4	(0.9)	89.1	(0.7)
	Norway	-0.15	(0.02)	64.5	(0.9)	68.9	(1.0)	58.6	(1.1)	85.9	(0.8)	-0.30	(0.02)	56.1	(1.1)	63.9	(1.1)	53.4	(1.2)	81.7	(0.8)
	Poland	0.00	(0.02)	75.1	(1.0)	73.1	(1.0)	70.8	(1.0)	86.2	(0.7)	-0.11	(0.02)	71.9	(1.0)	69.7	(1.0)	66.7	(1.0)	84.1	(0.8)
	Portugal	0.36	(0.02)	73.6	(0.9)	84.9	(0.8)	82.7	(0.7)	93.7	(0.5)	0.27	(0.02)	70.0	(0.8)	81.0	(0.9)	79.2	(0.7)	96.0	(0.4)
	Slovak Republic	-0.09	(0.02)	71.6	(0.9)	75.2	(0.9)	69.7	(0.9)	80.1	(0.8)	-0.16	(0.02)	72.0	(0.9)	73.3	(0.9)	69.5	(0.9)	81.0	(0.7)
	Slovenia	0.05	(0.02)	71.7	(1.0)	77.0	(0.9)	72.7	(1.0)	89.2	(0.7)	-0.01	(0.02)	67.0	(1.1)	73.3	(1.0)	69.6	(1.1)	88.8	(0.8)
	Spain	0.17	(0.02)	67.7	(0.9)	76.9	(0.9)	72.7	(0.9)	92.5	(0.5)	0.13	(0.02)	66.0	(1.1)	73.9	(1.0)	71.8	(0.9)	92.6	(0.5)
	Sweden	-0.06	(0.02)	64.5	(1.0)	67.5	(0.9)	70.3	(0.9)	86.6	(0.7)	-0.32	(0.02)	52.0	(1.3)	59.2	(1.1)	63.4	(1.0)	79.4	(1.1)
	Switzerland	0.26	(0.03)	76.0	(0.8)	76.6	(0.8)	72.4	(1.1)	90.9	(0.7)	0.18	(0.03)	70.0	(1.2)	74.4	(1.0)	70.8	(1.0)	91.3	(0.6)
	Turkey	-0.02	(0.02)	48.9	(1.1)	73.2	(0.9)	80.9	(0.9)	80.4	(0.7)	-0.07	(0.02)	47.0	(0.9)	68.8	(1.0)	76.9	(0.9)	80.9	(0.9)
	United Kingdom	0.01	(0.02)	71.3	(0.8)	75.9	(0.8)	71.6	(0.9)	85.8	(0.8)	-0.10	(0.02)	65.5	(0.9)	71.9	(0.8)	71.5	(0.8)	85.3	(0.7)
	United States	0.17	(0.02)	72.3	(0.9)	78.8	(1.0)	77.6	(0.9)	89.1	(0.7)	-0.05	(0.02)	65.7	(1.0)	71.2	(0.8)	70.9	(0.8)	85.0	(0.6)
OECD average-32	0.06	(0.00)	69.5	(0.2)	75.7	(0.2)	71.2	(0.2)	87.4	(0.1)	-0.06	(0.00)	64.4	(0.2)	71.2	(0.2)	68.3	(0.2)	86.5	(0.1)	
OECD average-35	0.06	(0.00)	69.9	(0.2)	75.6	(0.2)	71.2	(0.2)	87.5	(0.1)	-0.05	(0.00)	64.8	(0.2)	71.3	(0.2)	68.4	(0.2)	86.5	(0.1)	
Partners	Brazil	0.25	(0.01)	71.7	(0.8)	80.2	(0.5)	84.4	(0.5)	92.7	(0.4)	0.17	(0.01)	69.6	(0.6)	78.9	(0.5)	81.8	(0.5)	94.6	(0.3)
	B-S-J-G (China)	0.40	(0.02)	85.2	(0.6)	86.2	(0.5)	88.8	(0.6)	91.6	(0.6)	0.38	(0.01)	89.3	(0.6)	86.8	(0.6)	89.7	(0.6)	93.6	(0.5)
	Bulgaria	-0.02	(0.03)	69.3	(1.1)	74.7	(0.9)	74.7	(1.1)	80.8	(0.9)	-0.13	(0.02)	63.8	(1.1)	71.1	(1.0)	73.4	(0.9)	83.4	(0.9)
	Colombia	0.26	(0.02)	67.8	(1.0)	84.2	(0.6)	79.6	(0.8)	92.9	(0.5)	0.21	(0.02)	68.4	(0.8)	82.9	(0.7)	74.2	(0.9)	94.7	(0.4)
	Costa Rica	0.39	(0.02)	73.1	(0.8)	82.9	(0.9)	79.6	(0.7)	91.9	(0.5)	0.29	(0.03)	68.5	(1.0)	81.7	(0.8)	76.0	(1.0)	93.6	(0.5)
	Croatia	0.26	(0.02)	77.8	(0.8)	82.4	(0.7)	80.7	(1.0)	89.3	(0.7)	0.17	(0.02)	74.8	(0.9)	79.5	(0.9)	78.0	(0.8)	91.2	(0.6)
	Cyprus*	0.11	(0.02)	69.6	(0.8)	78.2	(0.9)	76.6	(0.9)	84.5	(0.8)	0.09	(0.02)	66.2	(0.8)	77.5	(0.8)	75.6	(0.7)	88.9	(0.6)
	Dominican Republic	0.54	(0.03)	73.3	(1.2)	82.0	(1.0)	83.9	(1.0)	93.5	(0.7)	0.48	(0.03)	73.7	(1.0)	81.8	(0.9)	81.0	(1.0)	94.2	(0.6)
	Hong Kong (China)	0.08	(0.02)	71.8	(1.0)	79.1	(0.8)	77.9	(0.8)	83.2	(0.8)	0.03	(0.02)	70.2	(1.0)	81.3	(0.8)	75.8	(0.8)	85.8	(0.7)
	Lithuania	0.38	(0.03)	75.7	(1.0)	80.4	(0.8)	78.7	(1.0)	85.6	(0.8)	0.28	(0.02)	71.0	(0.8)	76.8	(0.8)	80.4	(0.8)	85.9	(0.7)
	Macao (China)	0.02	(0.02)	68.5	(0.9)	73.0	(0.9)	79.5	(0.9)	84.1	(0.7)	-0.01	(0.02)	69.5	(1.0)	75.5	(1.0)	80.1	(0.8)	83.9	(0.7)
	Montenegro	-0.09	(0.02)	44.9	(1.0)	77.0	(0.8)	75.6	(0.8)	88.1	(0.6)	-0.09	(0.02)	42.6	(0.9)	75.0	(0.9)	73.2	(1.0)	91.0	(0.6)
	Peru	0.14	(0.02)	71.6	(0.9)	81.9	(0.7)	79.1	(0.7)	89.6	(0.5)	0.04	(0.02)	63.9	(1.0)	76.7	(0.9)	74.0	(0.8)	91.4	(0.5)
	Qatar	0.21	(0.02)	63.9	(0.6)	81.0	(0.6)	81.0	(0.6)	85.3	(0.5)	0.26	(0.01)	59.8	(0.6)	79.8	(0.5)	85.0	(0.4)	90.1	(0.3)
	Russia	-0.12	(0.02)	73.2	(1.2)	68.7	(0.9)	73.1	(0.9)	82.4	(1.0)	-0.24	(0.02)	70.4	(1.1)	66.7	(1.0)	67.9	(1.2)	78.3	(1.1)
	Singapore	0.34	(0.02)	75.3	(0.7)	81.9	(0.8)	80.5	(0.7)	91.7	(0.5)	0.20	(0.02)	69.7	(1.0)	82.7	(0.8)	79.7	(0.8)	92.6	(0.7)
	Chinese Taipei	0.42	(0.02)	85.1	(0.7)	85.0	(0.7)	86.4	(0.5)	90.4	(0.4)	0.31	(0.02)	84.4	(0.7)	83.3	(0.7)	84.0	(0.8)	90.6	(0.5)
	Thailand	0.42	(0.02)	83.2	(0.8)	90.6	(0.5)	89.6	(0.6)	95.4	(0.5)	0.33	(0.02)	82.9	(0.7)	90.5	(0.5)	85.5	(0.8)	97.1	(0.3)
	Tunisia	0.44	(0.02)	79.7	(0.9)	85.3	(0.8)	85.5	(0.8)	91.5	(0.6)	0.42	(0.02)	76.7	(0.9)	83.5	(0.8)	86.0	(0.7)	92.9	(0.5)
	United Arab Emirates	0.44	(0.02)	71.0	(0.7)	86.7	(0.5)	84.9	(0.6)	90.0	(0.5)	0.45	(0.02)	66.7	(0.7)	86.3	(0.5)	86.1	(0.6)	92.8	(0.5)
	Uruguay	0.25	(0.02)	71.5	(1.0)	80.8	(0.8)	76.0	(1.0)	91.9	(0.5)	0.16	(0.02)	69.2	(0.8)	79.2	(0.7)	74.5	(0.8)	93.7	(0.4)
Malaysia**	0.58	(0.02)	88.7	(0.7)	91.1	(0.5)	92.4	(0.5)	95.3	(0.4)	0.59	(0.02)	86.4	(0.7)	90.9	(0.5)	92.2	(0.4)	96.1	(0.4)	

[Part 2/2]

Table V.5.4b Index of valuing teamwork, by gender

		Gender difference (boys – girls):									
		Index of valuing teamwork		Percentage of students who agreed/strongly agreed with the following statements:							
				I prefer working as part of a team to working alone		I find that teams make better decisions than individuals		I find that teamwork raises my own efficiency		I enjoy co-operating with peers	
				% dif.	S.E.	% dif.	S.E.	% dif.	S.E.	% dif.	S.E.
OECD	Australia	0.17	(0.02)	8.7	(0.8)	7.0	(1.0)	3.2	(0.9)	0.9	(0.6)
	Austria	0.06	(0.03)	3.7	(1.4)	2.0	(1.4)	0.8	(1.3)	0.6	(1.0)
	Belgium	0.13	(0.03)	5.5	(1.0)	6.0	(1.1)	2.1	(1.1)	1.6	(0.8)
	Canada	0.23	(0.02)	12.1	(0.9)	7.2	(1.0)	6.1	(0.9)	1.8	(0.8)
	Chile	0.11	(0.03)	4.2	(1.5)	6.1	(1.1)	2.1	(1.1)	-0.1	(0.6)
	Czech Republic	0.06	(0.03)	0.7	(1.3)	2.8	(1.3)	3.3	(1.3)	-1.8	(0.9)
	Denmark	0.17	(0.03)	6.4	(1.4)	5.7	(1.3)	4.8	(1.5)	2.1	(0.8)
	Estonia	0.10	(0.03)	4.5	(1.2)	4.8	(1.3)	2.4	(1.3)	3.4	(1.2)
	Finland	0.18	(0.03)	9.8	(1.3)	11.1	(1.1)	8.3	(1.2)	5.9	(1.0)
	France	0.07	(0.03)	1.3	(1.3)	4.3	(1.3)	0.0	(1.1)	0.9	(0.9)
	Germany	0.06	(0.03)	4.4	(1.3)	3.2	(1.3)	-0.6	(1.1)	0.5	(0.7)
	Greece	0.07	(0.03)	3.5	(1.1)	0.1	(1.1)	3.3	(1.2)	-0.5	(0.8)
	Hungary	0.09	(0.03)	1.3	(1.4)	1.3	(1.3)	3.5	(1.2)	-0.7	(1.1)
	Iceland	0.19	(0.04)	10.1	(1.6)	10.3	(1.8)	4.4	(1.7)	0.9	(1.2)
	Ireland	0.06	(0.02)	4.9	(1.4)	2.5	(1.2)	-0.2	(1.2)	2.4	(0.8)
	Israel	-0.02	(0.03)	-0.1	(1.5)	1.4	(1.2)	2.9	(1.3)	-3.4	(0.9)
	Italy	0.13	(0.03)	4.5	(1.2)	2.9	(1.2)	2.4	(1.3)	0.8	(0.8)
	Japan	-0.06	(0.03)	-1.2	(1.2)	-3.9	(1.1)	-0.1	(1.3)	-3.2	(0.8)
	Korea	0.17	(0.03)	9.4	(1.4)	2.8	(1.2)	2.3	(1.0)	2.3	(0.9)
	Latvia	0.11	(0.03)	4.4	(1.4)	3.9	(1.3)	2.9	(1.5)	1.3	(1.1)
	Luxembourg	0.09	(0.03)	3.9	(1.2)	1.4	(1.2)	0.6	(1.4)	1.7	(0.9)
	Mexico	0.07	(0.03)	4.5	(1.2)	3.9	(1.1)	1.3	(1.2)	-1.3	(0.9)
	Netherlands	0.17	(0.02)	8.4	(1.3)	9.9	(1.5)	4.3	(1.3)	3.6	(1.0)
	New Zealand	0.15	(0.02)	8.6	(1.2)	5.5	(1.2)	3.1	(1.2)	1.2	(0.8)
	Norway	0.15	(0.03)	8.4	(1.4)	5.1	(1.4)	5.3	(1.6)	4.3	(1.0)
	Poland	0.11	(0.03)	3.2	(1.5)	3.4	(1.5)	4.1	(1.2)	2.1	(0.9)
	Portugal	0.09	(0.03)	3.6	(1.1)	3.9	(1.2)	3.4	(0.9)	-2.3	(0.6)
	Slovak Republic	0.07	(0.03)	-0.4	(1.4)	1.9	(1.2)	0.2	(1.3)	-0.9	(1.0)
	Slovenia	0.05	(0.03)	4.7	(1.6)	3.7	(1.3)	3.1	(1.6)	0.4	(1.0)
	Spain	0.04	(0.03)	1.7	(1.3)	3.0	(1.1)	0.9	(1.2)	-0.1	(0.7)
	Sweden	0.26	(0.03)	12.5	(1.6)	8.3	(1.5)	6.9	(1.4)	7.2	(1.3)
	Switzerland	0.08	(0.03)	6.0	(1.4)	2.2	(1.1)	1.6	(1.3)	-0.4	(0.8)
	Turkey	0.05	(0.03)	2.0	(1.3)	4.4	(1.3)	4.0	(1.1)	-0.5	(1.0)
	United Kingdom	0.12	(0.03)	5.8	(1.1)	4.0	(1.1)	0.1	(1.2)	0.5	(1.1)
	United States	0.22	(0.03)	6.6	(1.3)	7.6	(1.1)	6.7	(1.1)	4.1	(1.0)
	OECD average-32	0.11	(0.00)	5.1	(0.2)	4.4	(0.2)	2.9	(0.2)	1.0	(0.2)
	OECD average-35	0.11	(0.00)	5.1	(0.2)	4.3	(0.2)	2.8	(0.2)	1.0	(0.2)
Partners	Brazil	0.08	(0.01)	2.1	(0.8)	1.3	(0.7)	2.6	(0.7)	-1.9	(0.5)
	B-S-J-G (China)	0.02	(0.02)	-4.1	(0.8)	-0.5	(0.9)	-0.9	(0.6)	-2.0	(0.7)
	Bulgaria	0.11	(0.03)	5.5	(1.4)	3.6	(1.4)	1.4	(1.3)	-2.6	(1.2)
	Colombia	0.04	(0.02)	-0.6	(1.2)	1.3	(0.8)	5.3	(1.3)	-1.9	(0.6)
	Costa Rica	0.10	(0.03)	4.5	(1.2)	1.1	(1.1)	3.6	(1.2)	-1.7	(0.7)
	Croatia	0.09	(0.02)	3.0	(1.2)	2.9	(1.0)	2.7	(1.1)	-1.9	(0.9)
	Cyprus*	0.02	(0.03)	3.3	(1.1)	0.6	(1.3)	0.9	(1.2)	-4.4	(1.1)
	Dominican Republic	0.05	(0.04)	-0.4	(1.5)	0.2	(1.2)	2.9	(1.5)	-0.7	(0.9)
	Hong Kong (China)	0.05	(0.03)	1.5	(1.3)	-2.2	(1.1)	2.1	(1.2)	-2.6	(1.1)
	Lithuania	0.10	(0.04)	4.7	(1.3)	3.6	(1.1)	-1.7	(1.2)	-0.3	(1.0)
	Macao (China)	0.02	(0.03)	-1.0	(1.3)	-2.4	(1.5)	-0.7	(1.2)	0.2	(1.0)
	Montenegro	0.00	(0.03)	2.3	(1.2)	2.0	(1.2)	2.4	(1.2)	-2.9	(1.0)
	Peru	0.10	(0.02)	7.6	(1.4)	5.2	(1.1)	5.1	(1.0)	-1.8	(0.7)
	Qatar	-0.05	(0.02)	4.2	(0.8)	1.1	(0.8)	-4.0	(0.7)	-4.8	(0.6)
	Russia	0.12	(0.03)	2.8	(1.7)	2.0	(1.1)	5.2	(1.3)	4.2	(1.1)
	Singapore	0.15	(0.03)	5.5	(1.2)	-0.9	(1.1)	0.9	(1.0)	-0.9	(0.8)
	Chinese Taipei	0.11	(0.02)	0.8	(0.9)	1.7	(0.9)	2.4	(0.8)	-0.2	(0.6)
	Thailand	0.09	(0.03)	0.3	(1.0)	0.1	(0.7)	4.1	(1.0)	-1.8	(0.6)
	Tunisia	0.01	(0.03)	2.9	(1.3)	1.8	(1.1)	-0.5	(0.9)	-1.4	(0.7)
	United Arab Emirates	-0.01	(0.02)	4.4	(1.1)	0.4	(0.7)	-1.2	(0.8)	-2.9	(0.7)
	Uruguay	0.08	(0.03)	2.2	(1.3)	1.7	(1.1)	1.6	(1.3)	-1.8	(0.7)
	Malaysia**	-0.01	(0.03)	2.3	(0.8)	0.2	(0.6)	0.3	(0.6)	-0.8	(0.6)

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/2]

Table V.5.5a Index of valuing relationships, by socio-economic status

		Index of valuing relationships	Index of valuing relationships, by national quarter of student ESCS ¹										Index of valuing relationships, by national quarter of school ESCS									
			Bottom quarter		Second quarter		Third quarter		Top quarter		Top - bottom quarter		Bottom quarter		Second quarter		Third quarter		Top quarter		Top - bottom quarter	
			Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Index dif.	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Index dif.	S.E.
OECD	Australia	0.09 (0.01)	-0.06 (0.02)	0.05 (0.02)	0.13 (0.02)	0.24 (0.02)	0.31 (0.03)	-0.02 (0.03)	0.07 (0.02)	0.13 (0.03)	0.18 (0.02)	0.20 (0.03)										
	Austria	0.24 (0.01)	0.12 (0.03)	0.20 (0.03)	0.29 (0.03)	0.36 (0.04)	0.24 (0.05)	0.17 (0.04)	0.21 (0.04)	0.22 (0.03)	0.37 (0.03)	0.20 (0.05)										
	Belgium	-0.06 (0.01)	-0.16 (0.02)	-0.11 (0.03)	-0.03 (0.03)	0.04 (0.02)	0.20 (0.03)	-0.15 (0.03)	-0.14 (0.03)	-0.02 (0.03)	0.06 (0.03)	0.21 (0.04)										
	Canada	0.11 (0.01)	-0.03 (0.02)	0.06 (0.02)	0.17 (0.02)	0.24 (0.02)	0.27 (0.03)	0.00 (0.02)	0.11 (0.03)	0.11 (0.03)	0.21 (0.03)	0.21 (0.04)										
	Chile	0.09 (0.02)	-0.11 (0.03)	0.11 (0.04)	0.12 (0.04)	0.23 (0.03)	0.34 (0.04)	-0.13 (0.03)	0.07 (0.04)	0.17 (0.04)	0.23 (0.04)	0.37 (0.05)										
	Czech Republic	-0.20 (0.01)	-0.36 (0.03)	-0.23 (0.03)	-0.14 (0.03)	-0.06 (0.03)	0.29 (0.04)	-0.35 (0.03)	-0.27 (0.03)	-0.10 (0.03)	-0.08 (0.03)	0.27 (0.04)										
	Denmark	0.01 (0.01)	-0.12 (0.03)	-0.07 (0.03)	0.04 (0.03)	0.19 (0.03)	0.31 (0.04)	-0.12 (0.03)	-0.01 (0.03)	0.06 (0.02)	0.10 (0.03)	0.22 (0.04)										
	Estonia	0.03 (0.02)	-0.09 (0.04)	-0.02 (0.03)	0.06 (0.03)	0.17 (0.03)	0.26 (0.05)	-0.08 (0.04)	0.04 (0.03)	0.02 (0.04)	0.14 (0.04)	0.22 (0.05)										
	Finland	-0.08 (0.01)	-0.22 (0.03)	-0.12 (0.02)	-0.06 (0.03)	0.06 (0.03)	0.28 (0.04)	-0.18 (0.03)	-0.07 (0.03)	-0.07 (0.03)	-0.01 (0.03)	0.17 (0.04)										
	France	-0.07 (0.01)	-0.25 (0.03)	-0.14 (0.03)	-0.02 (0.03)	0.13 (0.03)	0.38 (0.04)	-0.27 (0.03)	-0.16 (0.03)	0.01 (0.03)	0.14 (0.03)	0.41 (0.04)										
	Germany	0.16 (0.02)	0.01 (0.04)	0.12 (0.03)	0.20 (0.03)	0.32 (0.03)	0.31 (0.05)	0.05 (0.04)	0.07 (0.05)	0.23 (0.04)	0.29 (0.03)	0.25 (0.05)										
	Greece	0.03 (0.02)	0.00 (0.03)	-0.05 (0.03)	0.05 (0.03)	0.13 (0.03)	0.13 (0.04)	-0.08 (0.03)	-0.01 (0.03)	0.06 (0.03)	0.15 (0.03)	0.23 (0.05)										
	Hungary	-0.03 (0.02)	-0.20 (0.03)	-0.04 (0.03)	0.01 (0.03)	0.11 (0.03)	0.30 (0.04)	-0.29 (0.04)	-0.05 (0.03)	0.01 (0.04)	0.20 (0.03)	0.49 (0.05)										
	Iceland	-0.09 (0.02)	-0.23 (0.04)	-0.18 (0.04)	-0.10 (0.04)	0.17 (0.04)	0.39 (0.06)	-0.22 (0.04)	-0.14 (0.04)	-0.05 (0.04)	0.07 (0.04)	0.29 (0.06)										
	Ireland	0.03 (0.01)	-0.09 (0.03)	0.03 (0.03)	0.05 (0.03)	0.13 (0.03)	0.22 (0.04)	-0.01 (0.03)	0.04 (0.03)	0.03 (0.04)	0.05 (0.04)	0.06 (0.05)										
	Israel	0.24 (0.02)	0.22 (0.03)	0.17 (0.03)	0.21 (0.03)	0.35 (0.03)	0.13 (0.05)	0.23 (0.05)	0.25 (0.04)	0.22 (0.04)	0.25 (0.04)	0.02 (0.06)										
	Italy	-0.13 (0.01)	-0.27 (0.03)	-0.13 (0.03)	-0.09 (0.03)	-0.06 (0.03)	0.21 (0.04)	-0.27 (0.03)	-0.16 (0.03)	-0.08 (0.03)	-0.03 (0.03)	0.23 (0.04)										
	Japan	-0.22 (0.02)	-0.34 (0.03)	-0.25 (0.03)	-0.18 (0.03)	-0.10 (0.03)	0.24 (0.04)	-0.37 (0.04)	-0.19 (0.04)	-0.16 (0.03)	-0.15 (0.04)	0.22 (0.06)										
	Korea	-0.02 (0.02)	-0.19 (0.03)	-0.04 (0.03)	0.00 (0.03)	0.17 (0.04)	0.36 (0.04)	-0.19 (0.04)	-0.02 (0.04)	0.03 (0.03)	0.11 (0.03)	0.31 (0.04)										
	Latvia	-0.30 (0.02)	-0.45 (0.03)	-0.32 (0.03)	-0.26 (0.03)	-0.16 (0.03)	0.29 (0.04)	-0.44 (0.04)	-0.33 (0.03)	-0.27 (0.03)	-0.17 (0.04)	0.27 (0.06)										
	Luxembourg	0.04 (0.01)	-0.06 (0.03)	-0.02 (0.03)	0.04 (0.03)	0.19 (0.03)	0.25 (0.04)	-0.08 (0.03)	-0.01 (0.03)	0.07 (0.03)	0.16 (0.03)	0.24 (0.04)										
	Mexico	0.16 (0.02)	0.08 (0.03)	0.10 (0.03)	0.15 (0.03)	0.33 (0.03)	0.25 (0.04)	0.03 (0.03)	0.05 (0.03)	0.22 (0.03)	0.35 (0.03)	0.32 (0.04)										
	Netherlands	-0.18 (0.01)	-0.23 (0.02)	-0.20 (0.02)	-0.17 (0.02)	-0.11 (0.03)	0.12 (0.04)	-0.22 (0.03)	-0.21 (0.03)	-0.18 (0.02)	-0.11 (0.03)	0.11 (0.04)										
	New Zealand	0.01 (0.02)	-0.10 (0.04)	-0.03 (0.03)	0.04 (0.03)	0.14 (0.03)	0.24 (0.04)	-0.04 (0.05)	-0.06 (0.04)	0.06 (0.03)	0.10 (0.04)	0.14 (0.06)										
	Norway	0.11 (0.02)	-0.02 (0.03)	0.10 (0.03)	0.14 (0.03)	0.21 (0.03)	0.22 (0.04)	0.06 (0.04)	0.15 (0.04)	0.08 (0.04)	0.14 (0.04)	0.07 (0.06)										
	Poland	-0.20 (0.02)	-0.37 (0.03)	-0.22 (0.03)	-0.14 (0.03)	-0.08 (0.03)	0.29 (0.04)	-0.21 (0.03)	-0.24 (0.04)	-0.17 (0.04)	-0.19 (0.04)	0.01 (0.05)										
	Portugal	0.38 (0.02)	0.27 (0.03)	0.32 (0.02)	0.44 (0.03)	0.47 (0.03)	0.20 (0.04)	0.32 (0.03)	0.32 (0.04)	0.39 (0.04)	0.46 (0.04)	0.14 (0.05)										
	Slovak Republic	-0.34 (0.01)	-0.53 (0.03)	-0.33 (0.02)	-0.34 (0.03)	-0.18 (0.03)	0.35 (0.04)	-0.50 (0.03)	-0.41 (0.04)	-0.33 (0.04)	-0.14 (0.03)	0.36 (0.05)										
	Slovenia	-0.04 (0.01)	-0.17 (0.03)	-0.04 (0.03)	-0.05 (0.03)	0.10 (0.03)	0.27 (0.04)	-0.17 (0.02)	-0.16 (0.03)	0.05 (0.03)	0.11 (0.03)	0.28 (0.04)										
	Spain	0.19 (0.02)	0.07 (0.03)	0.14 (0.03)	0.22 (0.03)	0.34 (0.03)	0.27 (0.04)	0.11 (0.03)	0.17 (0.04)	0.22 (0.03)	0.27 (0.04)	0.16 (0.05)										
	Sweden	0.05 (0.02)	-0.10 (0.03)	0.01 (0.03)	0.08 (0.03)	0.21 (0.03)	0.31 (0.05)	-0.03 (0.04)	0.03 (0.05)	0.08 (0.05)	0.13 (0.04)	0.16 (0.06)										
	Switzerland	0.20 (0.02)	0.15 (0.04)	0.14 (0.04)	0.14 (0.04)	0.35 (0.03)	0.20 (0.04)	0.19 (0.04)	0.13 (0.05)	0.16 (0.06)	0.30 (0.03)	0.11 (0.05)										
	Turkey	0.00 (0.02)	-0.02 (0.05)	-0.04 (0.03)	0.03 (0.04)	0.01 (0.04)	0.03 (0.06)	-0.11 (0.05)	0.02 (0.05)	0.02 (0.05)	0.05 (0.05)	0.16 (0.08)										
	United Kingdom	-0.03 (0.02)	-0.17 (0.03)	-0.05 (0.03)	0.00 (0.03)	0.09 (0.03)	0.25 (0.04)	-0.04 (0.03)	-0.10 (0.04)	-0.05 (0.04)	0.06 (0.03)	0.09 (0.05)										
	United States	0.13 (0.02)	-0.04 (0.03)	0.10 (0.03)	0.18 (0.03)	0.28 (0.03)	0.32 (0.04)	0.05 (0.04)	0.17 (0.04)	0.10 (0.04)	0.19 (0.03)	0.14 (0.05)										
	OECD average-32	0.01 (0.00)	-0.12 (0.01)	-0.03 (0.01)	0.04 (0.01)	0.14 (0.01)	0.26 (0.01)	-0.10 (0.01)	-0.02 (0.01)	0.04 (0.01)	0.12 (0.01)	0.22 (0.01)										
	OECD average-35	0.01 (0.00)	-0.12 (0.01)	-0.03 (0.01)	0.03 (0.01)	0.14 (0.01)	0.26 (0.01)	-0.10 (0.01)	-0.02 (0.01)	0.04 (0.01)	0.11 (0.01)	0.21 (0.01)										
Partners	Brazil	-0.04 (0.01)	-0.13 (0.02)	-0.11 (0.02)	-0.03 (0.02)	0.11 (0.02)	0.24 (0.03)	-0.15 (0.02)	-0.11 (0.02)	-0.03 (0.03)	0.12 (0.02)	0.28 (0.03)										
	B-S-J-G (China)	0.01 (0.02)	-0.17 (0.03)	-0.07 (0.03)	0.06 (0.03)	0.22 (0.03)	0.38 (0.04)	-0.22 (0.02)	-0.05 (0.04)	0.09 (0.03)	0.21 (0.04)	0.43 (0.05)										
	Bulgaria	-0.03 (0.02)	-0.22 (0.03)	-0.03 (0.04)	0.01 (0.03)	0.11 (0.03)	0.34 (0.04)	-0.18 (0.05)	-0.11 (0.05)	0.01 (0.04)	0.14 (0.02)	0.32 (0.06)										
	Colombia	0.06 (0.01)	0.01 (0.03)	-0.04 (0.03)	0.05 (0.03)	0.20 (0.03)	0.19 (0.04)	-0.03 (0.03)	0.04 (0.03)	0.02 (0.02)	0.19 (0.03)	0.22 (0.04)										
	Costa Rica	0.35 (0.02)	0.31 (0.03)	0.31 (0.03)	0.31 (0.04)	0.45 (0.03)	0.14 (0.05)	0.31 (0.03)	0.32 (0.03)	0.33 (0.03)	0.43 (0.04)	0.12 (0.05)										
	Croatia	0.01 (0.02)	-0.08 (0.03)	-0.04 (0.03)	0.04 (0.03)	0.10 (0.03)	0.18 (0.04)	-0.08 (0.04)	-0.05 (0.05)	0.00 (0.05)	0.16 (0.04)	0.24 (0.05)										
	Cyprus*	0.07 (0.01)	-0.01 (0.03)	0.06 (0.03)	0.05 (0.03)	0.16 (0.03)	0.17 (0.05)	-0.08 (0.03)	0.19 (0.03)	0.17 (0.03)	-0.01 (0.03)	0.07 (0.04)										
	Dominican Republic	0.27 (0.02)	0.27 (0.05)	0.21 (0.04)	0.24 (0.04)	0.36 (0.04)	0.09 (0.05)	0.17 (0.06)	0.21 (0.08)	0.32 (0.05)	0.37 (0.03)	0.20 (0.07)										
	Hong Kong (China)	-0.04 (0.02)	-0.16 (0.03)	-0.01 (0.03)	-0.07 (0.03)	0.09 (0.03)	0.25 (0.04)	-0.12 (0.03)	-0.01 (0.04)	0.00 (0.02)	-0.02 (0.04)	0.10 (0.05)										
	Lithuania	0.16 (0.02)	-0.04 (0.03)	0.14 (0.03)	0.13 (0.04)	0.40 (0.04)	0.43 (0.05)	-0.02 (0.04)	0.09 (0.04)	0.20 (0.03)	0.36 (0.04)	0.39 (0.06)										
	Macao (China)	-0.15 (0.01)	-0.19 (0.03)	-0.14 (0.02)	-0.19 (0.03)	-0.08 (0.02)	0.10 (0.04)	-0.15 (0.03)	-0.08 (0.02)	-0.16 (0.02)	-0.21 (0.02)	-0.06 (0.04)										
	Montenegro	-0.05 (0.01)	-0.08 (0.03)	-0.09 (0.03)	-0.07 (0.03)	0.04 (0.03)	0.12 (0.04)	-0.07 (0.03)	-0.06 (0.03)	-0.10 (0.02)	0.03 (0.03)	0.09 (0.04)										
	Peru	-0.08 (0.01)	-0.29 (0.03)	-0.14 (0.03)	0.01 (0.02)	0.09 (0.03)	0.38 (0.05)	-0.30 (0.03)	-0.16 (0.04)	0.02 (0.03)	0.12 (0.04)	0.42 (0.06)										
	Qatar	0.12 (0.01)	-0.02 (0.03)	0.05 (0.02)	0.17 (0.02)	0.29 (0.03)	0.31 (0.03)	0.05 (0.03)	0.07 (0.02)	0.20 (0.02)	0.16 (0.02)	0.12 (0.03)										
	Russia	-0.25 (0.02)	-0.38 (0.04)	-0.29 (0.03)	-0.22 (0.04)	-0.13 (0.03)	0.25 (0.04)	-0.31 (0.03)	-0.27 (0.04)	-0.20 (0.03)	-0.22 (0.03)	0.09 (0.04)										
	Singapore	0.32 (0.02)	0.22 (0.03)	0.32 (0.03)	0.31 (0.03)	0.42 (0.03)	0.20 (0.04)	0.28 (0.02)	0.28 (0.02)	0.36 (0.03)	0.35 (0.05)	0.07 (0.05)										
	Chinese Taipei	0.22 (0.02)	0.07 (0.03)	0.20 (0.03)	0.30 (0.03)	0.31 (0.03)	0.24 (0.04)	0.13 (0.03)	0.18 (0.04)	0.28 (0.03)	0.28 (0.03)	0.15 (0.04)										
	Thailand	0.10 (0.02)	-0.01 (0.02)	0.10 (0.02)	0.11 (0.03)	0.18 (0.03)	0.19 (0.03)	0.06 (0.03)	0.07 (0.04)	0.06 (0.03)	0.19 (0.02)	0.13 (0.04)										
	Tunisia	0.12 (0.02)	0.12 (0.03)	0.15 (0.03)	0.09 (0.03)	0.12 (0.03)	0.00 (0.05)	0.04 (0.05)	0.14 (0.05)	0.19 (0.04)	0.11 (0.03)	0.07 (0.05)										
	United Arab Emirates	0.32 (0.01)	0.26 (0.03)	0.28 (0.03)	0.33 (0.02)	0.41 (0.03)	0.16 (0.04)	0.33 (0.04)	0.41 (0.04)	0.34 (0.03)	0.20 (0.03)	-0.13 (0.05)										
Uruguay	0.11 (0.02)	0.01 (0.03)	0.05 (0.03)	0.15 (0.03)	0.25 (0.03)	0.24 (0.04)	-0.01 (0.04)	0.15 (0.03)	0.11 (0.03)	0.20 (0.03)	0.21 (0.05)											
Malaysia**	-0.02 (0.02)	-0.14 (0.03)	-0.04 (0.03)	-0.04 (0.03)	0.12 (0.03)	0.26 (0.04)	-0.08 (0.05)	-0.11 (0.04)	0.06 (0.03)	0.04 (0.04)	0.12 (0.06)											

[Part 2/2]

Table V.5.5a Index of valuing relationships, by socio-economic status

		When accounting for student socio-economic status				When accounting for schools' socio-economic profile ²				When accounting for students' and schools' socio-economic profile					
		Change in the index of valuing relationships per unit of student ESCS ¹		Explained variance in the index of valuing relationships (r-squared × 100)		Change in the index of valuing relationships per unit of school ESCS		Explained variance in the index of valuing relationships (r-squared × 100)		Change in the index of valuing relationships per unit of student ESCS		Change the index of valuing relationships per unit of school ESCS		Explained variance in the index of valuing relationships (r-squared × 100)	
		Index dif.	S.E.	%	S.E.	Index dif.	S.E.	%	S.E.	Index dif.	S.E.	Index dif.	S.E.	%	S.E.
OECD	Australia	0.15	(0.01)	1.4	(0.3)	0.16	(0.03)	0.5	(0.2)	0.14	(0.02)	0.02	(0.03)	1.4	(0.3)
	Austria	0.11	(0.02)	0.7	(0.2)	0.11	(0.04)	0.2	(0.2)	0.10	(0.02)	0.01	(0.04)	0.7	(0.2)
	Belgium	0.09	(0.01)	0.8	(0.2)	0.17	(0.03)	0.7	(0.2)	0.06	(0.01)	0.11	(0.03)	1.0	(0.2)
	Canada	0.14	(0.01)	1.3	(0.2)	0.20	(0.03)	0.5	(0.2)	0.13	(0.01)	0.07	(0.03)	1.4	(0.2)
	Chile	0.12	(0.01)	1.5	(0.3)	0.17	(0.02)	1.6	(0.3)	0.07	(0.02)	0.11	(0.03)	1.8	(0.3)
	Czech Republic	0.15	(0.02)	1.6	(0.4)	0.21	(0.03)	1.1	(0.3)	0.12	(0.02)	0.10	(0.03)	1.8	(0.4)
	Denmark	0.13	(0.02)	1.6	(0.4)	0.20	(0.03)	0.7	(0.3)	0.12	(0.02)	0.09	(0.04)	1.7	(0.4)
	Estonia	0.13	(0.02)	1.1	(0.3)	0.21	(0.04)	0.8	(0.3)	0.10	(0.02)	0.11	(0.05)	1.3	(0.4)
	Finland	0.15	(0.02)	1.4	(0.3)	0.22	(0.05)	0.5	(0.2)	0.13	(0.02)	0.08	(0.05)	1.5	(0.4)
	France	0.19	(0.02)	2.2	(0.4)	0.35	(0.03)	2.3	(0.4)	0.12	(0.02)	0.23	(0.04)	3.0	(0.5)
	Germany	0.12	(0.02)	1.2	(0.3)	0.23	(0.03)	1.1	(0.3)	0.09	(0.02)	0.14	(0.04)	1.5	(0.4)
	Greece	0.05	(0.02)	0.3	(0.2)	0.17	(0.03)	0.7	(0.3)	0.01	(0.02)	0.16	(0.04)	0.7	(0.3)
	Hungary	0.12	(0.01)	1.4	(0.3)	0.27	(0.03)	2.7	(0.6)	0.02	(0.02)	0.25	(0.04)	2.7	(0.6)
	Iceland	0.21	(0.03)	2.2	(0.6)	0.37	(0.07)	1.0	(0.4)	0.18	(0.03)	0.19	(0.08)	2.4	(0.6)
	Ireland	0.11	(0.02)	1.0	(0.3)	0.04	(0.04)	0.0	(0.1)	0.13	(0.02)	-0.08	(0.04)	1.0	(0.3)
	Israel	0.06	(0.02)	0.2	(0.2)	0.02	(0.05)	0.0	(0.0)	0.07	(0.02)	-0.06	(0.06)	0.3	(0.2)
	Italy	0.08	(0.01)	0.6	(0.2)	0.17	(0.03)	0.8	(0.2)	0.04	(0.02)	0.13	(0.03)	0.9	(0.2)
	Japan	0.13	(0.02)	0.7	(0.2)	0.22	(0.05)	0.5	(0.2)	0.10	(0.02)	0.12	(0.06)	0.9	(0.2)
	Korea	0.21	(0.02)	2.3	(0.5)	0.33	(0.04)	1.4	(0.4)	0.17	(0.02)	0.17	(0.05)	2.5	(0.5)
	Latvia	0.12	(0.02)	1.4	(0.4)	0.21	(0.04)	1.2	(0.5)	0.08	(0.02)	0.13	(0.05)	1.7	(0.5)
	Luxembourg	0.09	(0.01)	0.8	(0.2)	0.15	(0.02)	0.6	(0.2)	0.06	(0.02)	0.08	(0.03)	0.9	(0.3)
	Mexico	0.08	(0.01)	0.9	(0.3)	0.16	(0.02)	1.5	(0.4)	0.02	(0.01)	0.13	(0.03)	1.5	(0.4)
	Netherlands	0.05	(0.02)	0.2	(0.2)	0.07	(0.05)	0.1	(0.1)	0.04	(0.02)	0.03	(0.05)	0.2	(0.2)
	New Zealand	0.13	(0.02)	1.0	(0.3)	0.15	(0.05)	0.3	(0.2)	0.12	(0.02)	0.03	(0.06)	1.1	(0.3)
	Norway	0.12	(0.02)	0.7	(0.3)	0.05	(0.07)	0.0	(0.1)	0.13	(0.02)	-0.07	(0.07)	0.7	(0.3)
	Poland	0.13	(0.02)	1.4	(0.4)	0.09	(0.04)	0.2	(0.2)	0.14	(0.02)	-0.05	(0.05)	1.5	(0.4)
	Portugal	0.07	(0.01)	0.7	(0.3)	0.10	(0.03)	0.4	(0.2)	0.06	(0.01)	0.03	(0.03)	0.8	(0.3)
	Slovak Republic	0.16	(0.02)	2.3	(0.6)	0.31	(0.03)	3.1	(0.8)	0.08	(0.02)	0.23	(0.03)	3.5	(0.8)
	Slovenia	0.13	(0.02)	1.2	(0.3)	0.29	(0.03)	1.9	(0.4)	0.06	(0.02)	0.23	(0.04)	2.1	(0.4)
	Spain	0.09	(0.01)	1.3	(0.3)	0.09	(0.02)	0.4	(0.2)	0.10	(0.01)	0.00	(0.03)	1.3	(0.3)
	Sweden	0.14	(0.02)	1.2	(0.4)	0.20	(0.05)	0.4	(0.2)	0.13	(0.02)	0.07	(0.05)	1.3	(0.4)
	Switzerland	0.08	(0.02)	0.4	(0.2)	0.09	(0.04)	0.1	(0.1)	0.07	(0.02)	0.02	(0.05)	0.4	(0.2)
Turkey	0.02	(0.02)	0.1	(0.1)	0.09	(0.04)	0.3	(0.3)	0.00	(0.02)	0.10	(0.04)	0.3	(0.3)	
United Kingdom	0.11	(0.02)	0.9	(0.3)	0.09	(0.04)	0.2	(0.1)	0.11	(0.02)	-0.02	(0.04)	0.9	(0.3)	
United States	0.12	(0.01)	1.3	(0.3)	0.11	(0.03)	0.4	(0.2)	0.12	(0.02)	-0.01	(0.03)	1.3	(0.3)	
OECD average-32	0.12	(0.00)	1.1	(0.1)	0.18	(0.01)	0.9	(0.1)	0.09	(0.00)	0.09	(0.01)	1.4	(0.1)	
OECD average-35	0.12	(0.00)	1.1	(0.1)	0.17	(0.01)	0.8	(0.1)	0.09	(0.00)	0.08	(0.01)	1.4	(0.1)	
Partners	Brazil	0.09	(0.01)	1.1	(0.2)	0.15	(0.02)	1.3	(0.3)	0.05	(0.01)	0.11	(0.02)	1.5	(0.3)
	B-S-J-G (China)	0.14	(0.01)	2.6	(0.6)	0.22	(0.02)	2.9	(0.6)	0.08	(0.02)	0.15	(0.03)	3.3	(0.6)
	Bulgaria	0.13	(0.02)	1.5	(0.4)	0.22	(0.04)	1.4	(0.4)	0.09	(0.02)	0.13	(0.04)	1.8	(0.4)
	Colombia	0.07	(0.01)	0.6	(0.2)	0.12	(0.02)	0.8	(0.3)	0.03	(0.01)	0.09	(0.02)	0.8	(0.3)
	Costa Rica	0.05	(0.01)	0.3	(0.2)	0.06	(0.03)	0.2	(0.1)	0.05	(0.02)	0.02	(0.03)	0.3	(0.2)
	Croatia	0.08	(0.02)	0.5	(0.2)	0.21	(0.05)	0.7	(0.3)	0.04	(0.02)	0.17	(0.05)	0.8	(0.3)
	Cyprus*	0.07	(0.02)	0.4	(0.2)	0.04	(0.03)	0.0	(0.0)	0.08	(0.02)	-0.05	(0.04)	0.4	(0.2)
	Dominican Republic	0.05	(0.02)	0.2	(0.1)	0.13	(0.03)	0.4	(0.2)	0.01	(0.02)	0.12	(0.04)	0.4	(0.2)
	Hong Kong (China)	0.10	(0.02)	0.9	(0.3)	0.09	(0.03)	0.2	(0.1)	0.10	(0.02)	-0.01	(0.04)	0.9	(0.3)
	Lithuania	0.19	(0.02)	2.0	(0.4)	0.31	(0.04)	1.5	(0.4)	0.15	(0.02)	0.16	(0.04)	2.3	(0.5)
	Macao (China)	0.04	(0.02)	0.2	(0.1)	-0.03	(0.03)	0.0	(0.0)	0.08	(0.02)	-0.10	(0.03)	0.4	(0.2)
	Montenegro	0.05	(0.02)	0.2	(0.1)	0.07	(0.04)	0.0	(0.1)	0.05	(0.02)	0.02	(0.05)	0.2	(0.1)
	Peru	0.13	(0.01)	2.4	(0.5)	0.19	(0.02)	2.8	(0.6)	0.06	(0.01)	0.13	(0.02)	3.0	(0.6)
	Qatar	0.14	(0.02)	0.8	(0.2)	0.17	(0.03)	0.3	(0.1)	0.13	(0.02)	0.04	(0.04)	0.8	(0.2)
	Russia	0.13	(0.02)	1.1	(0.3)	0.11	(0.04)	0.2	(0.1)	0.14	(0.02)	-0.03	(0.05)	1.1	(0.3)
	Singapore	0.08	(0.02)	0.5	(0.2)	0.07	(0.04)	0.1	(0.1)	0.08	(0.02)	-0.01	(0.04)	0.5	(0.2)
	Chinese Taipei	0.12	(0.02)	1.1	(0.3)	0.16	(0.04)	0.4	(0.2)	0.11	(0.02)	0.05	(0.04)	1.1	(0.3)
	Thailand	0.07	(0.01)	0.7	(0.2)	0.08	(0.02)	0.4	(0.2)	0.06	(0.01)	0.02	(0.03)	0.8	(0.3)
	Tunisia	0.00	(0.01)	0.0	(0.0)	0.04	(0.03)	0.1	(0.1)	-0.02	(0.01)	0.06	(0.03)	0.1	(0.1)
	United Arab Emirates	0.08	(0.02)	0.3	(0.1)	-0.14	(0.05)	0.2	(0.1)	0.15	(0.02)	-0.28	(0.06)	0.9	(0.3)
	Uruguay	0.08	(0.01)	0.8	(0.2)	0.09	(0.02)	0.3	(0.2)	0.08	(0.02)	0.01	(0.03)	0.8	(0.2)
	Malaysia**	0.09	(0.01)	1.1	(0.3)	0.10	(0.03)	0.5	(0.3)	0.08	(0.01)	0.02	(0.04)	1.1	(0.3)

1. ESCS refers to the PISA index of economic, social and cultural status.

2. Socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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Table V.5.b Index of valuing teamwork, by socio-economic status

		Index of valuing teamwork		Index of valuing teamwork, by national quarter of student ESCS ¹										Index of valuing teamwork, by national quarter of school ESCS									
				Bottom quarter		Second quarter		Third quarter		Top quarter		Top - bottom quarter		Bottom quarter		Second quarter		Third quarter		Top quarter		Top - bottom quarter	
		Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Index dif.	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Index dif.	S.E.
OECD	Australia	0.01 (0.01)		0.04 (0.02)		0.01 (0.02)		0.01 (0.02)		-0.05 (0.02)		-0.09 (0.03)		0.03 (0.02)		0.03 (0.02)		0.01 (0.02)		-0.05 (0.02)		-0.08 (0.03)	
	Austria	0.19 (0.01)		0.30 (0.03)		0.25 (0.03)		0.18 (0.03)		0.02 (0.03)		-0.28 (0.04)		0.40 (0.04)		0.23 (0.04)		0.12 (0.04)		0.00 (0.04)		-0.41 (0.05)	
	Belgium	-0.11 (0.01)		-0.04 (0.03)		-0.07 (0.02)		-0.09 (0.03)		-0.22 (0.02)		-0.18 (0.03)		0.01 (0.03)		-0.04 (0.03)		-0.14 (0.04)		-0.24 (0.02)		-0.25 (0.04)	
	Canada	0.00 (0.01)		-0.01 (0.02)		0.00 (0.02)		0.03 (0.02)		-0.01 (0.02)		0.00 (0.03)		-0.02 (0.02)		0.02 (0.03)		-0.01 (0.03)		0.01 (0.02)		0.04 (0.03)	
	Chile	0.21 (0.02)		0.19 (0.03)		0.19 (0.03)		0.24 (0.03)		0.21 (0.03)		0.02 (0.04)		0.20 (0.03)		0.23 (0.04)		0.20 (0.03)		0.20 (0.03)		0.00 (0.04)	
	Czech Republic	0.00 (0.02)		0.01 (0.03)		0.05 (0.03)		0.01 (0.03)		-0.06 (0.03)		-0.07 (0.04)		0.05 (0.04)		0.00 (0.03)		0.05 (0.04)		-0.08 (0.03)		-0.13 (0.05)	
	Denmark	-0.12 (0.01)		-0.01 (0.03)		-0.11 (0.03)		-0.12 (0.03)		-0.24 (0.03)		-0.22 (0.04)		-0.02 (0.03)		-0.11 (0.03)		-0.13 (0.03)		-0.23 (0.03)		-0.21 (0.04)	
	Estonia	-0.10 (0.02)		-0.05 (0.03)		-0.11 (0.03)		-0.10 (0.03)		-0.13 (0.03)		-0.08 (0.05)		-0.06 (0.04)		-0.05 (0.03)		-0.11 (0.03)		-0.16 (0.03)		-0.11 (0.04)	
	Finland	-0.22 (0.02)		-0.21 (0.03)		-0.21 (0.03)		-0.21 (0.03)		-0.23 (0.02)		-0.02 (0.04)		-0.25 (0.04)		-0.15 (0.03)		-0.25 (0.03)		-0.22 (0.02)		0.03 (0.05)	
	France	0.11 (0.02)		0.19 (0.03)		0.19 (0.03)		0.08 (0.03)		-0.03 (0.02)		-0.22 (0.04)		0.26 (0.04)		0.13 (0.04)		0.05 (0.03)		0.01 (0.03)		-0.25 (0.04)	
	Germany	0.15 (0.02)		0.16 (0.03)		0.17 (0.03)		0.12 (0.03)		0.13 (0.03)		-0.03 (0.04)		0.21 (0.04)		0.16 (0.04)		0.14 (0.03)		0.09 (0.03)		-0.12 (0.05)	
	Greece	0.18 (0.01)		0.30 (0.03)		0.17 (0.03)		0.18 (0.03)		0.08 (0.03)		-0.22 (0.04)		0.20 (0.04)		0.25 (0.03)		0.15 (0.03)		0.13 (0.03)		-0.07 (0.05)	
	Hungary	-0.02 (0.02)		-0.01 (0.03)		0.01 (0.03)		-0.03 (0.03)		-0.06 (0.03)		-0.05 (0.04)		0.00 (0.03)		0.03 (0.04)		-0.03 (0.03)		-0.08 (0.03)		-0.08 (0.04)	
	Iceland	-0.20 (0.02)		-0.24 (0.04)		-0.20 (0.03)		-0.17 (0.04)		-0.18 (0.04)		0.06 (0.06)		-0.24 (0.04)		-0.16 (0.03)		-0.19 (0.04)		-0.21 (0.04)		0.03 (0.05)	
	Ireland	0.04 (0.01)		0.10 (0.03)		0.09 (0.03)		0.06 (0.03)		-0.07 (0.03)		-0.17 (0.04)		0.07 (0.03)		0.10 (0.04)		0.02 (0.04)		-0.02 (0.04)		-0.09 (0.06)	
	Israel	-0.03 (0.02)		0.05 (0.03)		-0.01 (0.03)		-0.10 (0.03)		-0.07 (0.03)		-0.13 (0.04)		0.06 (0.05)		0.04 (0.04)		-0.09 (0.04)		-0.15 (0.04)		-0.21 (0.07)	
	Italy	0.02 (0.02)		0.10 (0.03)		0.03 (0.03)		0.03 (0.03)		-0.06 (0.02)		-0.16 (0.03)		0.12 (0.04)		0.05 (0.04)		0.00 (0.03)		-0.07 (0.03)		-0.19 (0.05)	
	Japan	-0.02 (0.02)		-0.03 (0.03)		0.00 (0.03)		-0.04 (0.03)		-0.03 (0.03)		0.00 (0.04)		-0.09 (0.04)		0.04 (0.04)		0.00 (0.03)		-0.05 (0.04)		0.03 (0.06)	
	Korea	0.14 (0.01)		0.05 (0.03)		0.14 (0.02)		0.18 (0.02)		0.20 (0.03)		0.16 (0.04)		0.07 (0.03)		0.17 (0.03)		0.15 (0.03)		0.19 (0.03)		0.12 (0.04)	
	Latvia	-0.14 (0.02)		-0.10 (0.04)		-0.06 (0.04)		-0.17 (0.03)		-0.21 (0.04)		-0.11 (0.05)		-0.08 (0.04)		-0.11 (0.04)		-0.14 (0.03)		-0.20 (0.04)		-0.12 (0.06)	
	Luxembourg	0.00 (0.01)		0.10 (0.03)		0.04 (0.03)		-0.04 (0.03)		-0.09 (0.03)		-0.18 (0.04)		0.06 (0.03)		0.00 (0.03)		0.01 (0.03)		-0.06 (0.03)		-0.12 (0.04)	
	Mexico	0.23 (0.01)		0.30 (0.03)		0.25 (0.03)		0.19 (0.03)		0.18 (0.03)		-0.12 (0.04)		0.28 (0.04)		0.20 (0.03)		0.25 (0.03)		0.19 (0.02)		-0.09 (0.04)	
	Netherlands	-0.26 (0.01)		-0.23 (0.02)		-0.21 (0.02)		-0.26 (0.03)		-0.34 (0.02)		-0.10 (0.03)		-0.17 (0.03)		-0.24 (0.03)		-0.28 (0.03)		-0.34 (0.02)		-0.17 (0.04)	
	New Zealand	0.06 (0.02)		0.11 (0.03)		0.13 (0.03)		0.01 (0.03)		0.01 (0.03)		-0.10 (0.05)		0.11 (0.05)		0.05 (0.04)		0.08 (0.04)		-0.02 (0.03)		-0.10 (0.06)	
	Norway	-0.23 (0.02)		-0.16 (0.03)		-0.18 (0.03)		-0.26 (0.03)		-0.31 (0.03)		-0.15 (0.04)		-0.21 (0.04)		-0.19 (0.04)		-0.27 (0.04)		-0.24 (0.04)		-0.04 (0.05)	
	Poland	-0.05 (0.02)		0.03 (0.03)		0.02 (0.03)		-0.06 (0.03)		-0.20 (0.03)		-0.23 (0.05)		0.05 (0.03)		0.00 (0.03)		-0.04 (0.04)		-0.22 (0.03)		-0.26 (0.04)	
	Portugal	0.32 (0.02)		0.37 (0.03)		0.36 (0.03)		0.33 (0.03)		0.22 (0.03)		-0.15 (0.04)		0.42 (0.03)		0.29 (0.04)		0.32 (0.03)		0.24 (0.03)		-0.17 (0.05)	
	Slovak Republic	-0.12 (0.02)		-0.20 (0.03)		-0.05 (0.03)		-0.10 (0.02)		-0.13 (0.03)		0.07 (0.04)		-0.22 (0.04)		-0.09 (0.03)		-0.06 (0.03)		-0.13 (0.03)		0.09 (0.05)	
	Slovenia	0.02 (0.01)		0.07 (0.02)		0.06 (0.03)		0.00 (0.03)		-0.04 (0.04)		-0.12 (0.04)		0.07 (0.02)		0.08 (0.03)		0.03 (0.03)		-0.09 (0.03)		-0.16 (0.04)	
	Spain	0.15 (0.02)		0.22 (0.03)		0.16 (0.03)		0.09 (0.04)		0.12 (0.03)		-0.10 (0.04)		0.21 (0.03)		0.13 (0.04)		0.12 (0.03)		0.13 (0.04)		-0.07 (0.05)	
	Sweden	-0.19 (0.02)		-0.17 (0.04)		-0.12 (0.05)		-0.21 (0.03)		-0.25 (0.03)		-0.08 (0.05)		-0.13 (0.04)		-0.19 (0.04)		-0.21 (0.03)		-0.23 (0.04)		-0.10 (0.06)	
	Switzerland	0.22 (0.02)		0.36 (0.03)		0.25 (0.03)		0.21 (0.03)		0.06 (0.03)		-0.30 (0.04)		0.37 (0.03)		0.26 (0.05)		0.22 (0.05)		0.02 (0.03)		-0.35 (0.04)	
	Turkey	-0.04 (0.01)		-0.11 (0.03)		-0.04 (0.03)		-0.02 (0.03)		-0.01 (0.03)		0.10 (0.04)		-0.14 (0.03)		0.00 (0.03)		0.00 (0.04)		-0.03 (0.03)		0.11 (0.05)	
	United Kingdom	-0.04 (0.01)		-0.06 (0.02)		0.03 (0.03)		-0.06 (0.03)		-0.07 (0.03)		0.00 (0.04)		0.00 (0.03)		-0.07 (0.03)		-0.02 (0.03)		-0.08 (0.02)		-0.09 (0.04)	
	United States	0.06 (0.02)		0.06 (0.03)		0.06 (0.03)		0.10 (0.03)		0.02 (0.04)		-0.04 (0.05)		0.07 (0.04)		0.07 (0.05)		0.04 (0.04)		0.05 (0.04)		-0.02 (0.06)	
OECD average-32	0.00 (0.00)		0.03 (0.01)		0.03 (0.01)		-0.01 (0.01)		-0.05 (0.01)		-0.08 (0.01)		0.04 (0.01)		0.02 (0.01)		-0.01 (0.01)		-0.05 (0.01)		-0.09 (0.01)		
OECD average-35	0.01 (0.00)		0.04 (0.01)		0.04 (0.01)		0.00 (0.00)		-0.05 (0.01)		-0.09 (0.01)		0.05 (0.01)		0.03 (0.01)		0.00 (0.01)		-0.05 (0.01)		-0.10 (0.01)		
Partners	Brazil	0.21 (0.01)		0.23 (0.02)		0.20 (0.02)		0.17 (0.02)		0.22 (0.02)		-0.01 (0.03)		0.22 (0.02)		0.18 (0.02)		0.21 (0.02)		0.22 (0.02)		0.01 (0.03)	
	B-S-J-G (China)	0.39 (0.01)		0.35 (0.02)		0.39 (0.03)		0.43 (0.03)		0.40 (0.03)		0.05 (0.04)		0.36 (0.02)		0.39 (0.03)		0.44 (0.04)		0.38 (0.03)		0.02 (0.04)	
	Bulgaria	-0.07 (0.02)		-0.09 (0.03)		-0.03 (0.04)		-0.08 (0.04)		-0.07 (0.03)		0.03 (0.04)		-0.04 (0.05)		-0.06 (0.05)		-0.05 (0.04)		-0.13 (0.03)		-0.09 (0.06)	
	Colombia	0.23 (0.01)		0.28 (0.02)		0.22 (0.02)		0.21 (0.02)		0.22 (0.02)		-0.06 (0.03)		0.28 (0.03)		0.25 (0.03)		0.21 (0.03)		0.20 (0.03)		-0.08 (0.04)	
	Costa Rica	0.34 (0.02)		0.46 (0.03)		0.39 (0.03)		0.28 (0.03)		0.22 (0.04)		-0.24 (0.05)		0.49 (0.03)		0.39 (0.04)		0.26 (0.04)		0.20 (0.04)		-0.28 (0.05)	
	Croatia	0.21 (0.02)		0.28 (0.03)		0.24 (0.03)		0.22 (0.03)		0.12 (0.03)		-0.16 (0.04)		0.31 (0.04)		0.23 (0.03)		0.20 (0.04)		0.11 (0.03)		-0.21 (0.05)	
	Cyprus*	0.10 (0.01)		0.11 (0.03)		0.14 (0.03)		0.07 (0.03)		0.06 (0.03)		-0.05 (0.04)		0.11 (0.03)		0.20 (0.03)		0.14 (0.03)		-0.07 (0.03)		-0.17 (0.05)	
	Dominican Republic	0.51 (0.02)		0.49 (0.05)		0.46 (0.04)		0.51 (0.03)		0.58 (0.04)		0.09 (0.06)		0.41 (0.05)		0.47 (0.06)		0.58 (0.04)		0.56 (0.04)		0.15 (0.07)	
	Hong Kong (China)	0.06 (0.02)		-0.03 (0.03)		0.11 (0.03)		0.05 (0.03)		0.09 (0.03)		0.11 (0.04)		0.01 (0.03)		0.08 (0.04)		0.09 (0.04)		0.05 (0.04)		0.03 (0.05)	
	Lithuania	0.33 (0.02)		0.35 (0.03)		0.42 (0.03)		0.29 (0.03)		0.27 (0.04)		-0.07 (0.05)		0.38 (0.04)		0.37 (0.03)		0.36 (0.04)		0.22 (0.04)		-0.16 (0.06)	
	Macao (China)	0.01 (0.01)		-0.02 (0.02)		0.02 (0.02)		-0.01 (0.03)		0.03 (0.03)		0.05 (0.03)		0.00 (0.02)		0.02 (0.03)		0.03 (0.02)		-0.04 (0.03)		-0.04 (0.04)	
	Montenegro	-0.09 (0.01)		-0.11 (0.02)		-0.04 (0.02)		-0.04 (0.03)		-0.16 (0.03)		-0.05 (0.03)		0.01 (0.03)		-0.05 (0.03)		-0.10 (0.03)		-0.19 (0.03)		-0.20 (0.04)	
	Peru	0.09 (0.01)		-0.04 (0.02)		0.12 (0.02)		0.16 (0.03)		0.10 (0.02)		0.15 (0.03)		-0.05 (0.03)		0.10 (0.03)		0.16 (0.03)		0.13 (0.02)		0.18 (0.04)	
	Qatar	0.24 (0.01)		0.17 (0.02)		0.25 (0.02)		0.26 (0.02)		0.27 (0.02)		0.10 (0.03)		0.22 (0.02)		0.29 (0.02)		0.29 (0.02)		0.15 (0.02)		-0.07 (0.03)	
	Russia	-0.18 (0.02)		-0.16 (0.03)		-0.14 (0.03)		-0.18 (0.03)		-0.24 (0.04)													

[Part 2/2]

Table V.5.5b Index of valuing teamwork, by socio-economic status

		When accounting for student socio-economic status				When accounting for schools' socio-economic profile ²				When accounting for students' and schools' socio-economic profile					
		Change in the index of valuing teamwork per unit of student ESCS ¹		Explained variance in the index of valuing teamwork (r-squared × 100)		Change in the index of valuing teamwork per unit of school ESCS		Explained variance in the index of valuing teamwork (r-squared × 100)		Change in the index of valuing teamwork per unit of student ESCS		Change in the index of valuing teamwork per unit of school ESCS		Explained variance in the index of valuing teamwork (r-squared × 100)	
		Index dif.	S.E.	%	S.E.	Index dif.	S.E.	%	S.E.	Index dif.	S.E.	Index dif.	S.E.	%	S.E.
OECD	Australia	-0.03	(0.01)	0.1	(0.0)	-0.07	(0.02)	0.1	(0.1)	-0.02	(0.01)	-0.05	(0.02)	0.1	(0.1)
	Austria	-0.12	(0.02)	0.9	(0.2)	-0.34	(0.03)	2.1	(0.4)	-0.02	(0.02)	-0.31	(0.04)	2.1	(0.4)
	Belgium	-0.07	(0.01)	0.4	(0.2)	-0.21	(0.03)	1.0	(0.3)	-0.02	(0.01)	-0.19	(0.03)	1.0	(0.3)
	Canada	0.01	(0.01)	0.0	(0.0)	0.02	(0.03)	0.0	(0.0)	0.01	(0.01)	0.01	(0.03)	0.0	(0.0)
	Chile	0.01	(0.01)	0.0	(0.0)	-0.01	(0.02)	0.0	(0.0)	0.03	(0.02)	-0.04	(0.02)	0.1	(0.1)
	Czech Republic	-0.03	(0.02)	0.0	(0.1)	-0.12	(0.03)	0.3	(0.1)	0.01	(0.02)	-0.13	(0.04)	0.3	(0.1)
	Denmark	-0.09	(0.02)	0.7	(0.3)	-0.20	(0.03)	0.7	(0.2)	-0.06	(0.02)	-0.14	(0.04)	0.9	(0.3)
	Estonia	-0.03	(0.02)	0.1	(0.1)	-0.09	(0.04)	0.1	(0.1)	-0.01	(0.02)	-0.08	(0.05)	0.1	(0.1)
	Finland	0.00	(0.02)	0.0	(0.0)	0.01	(0.04)	0.0	(0.0)	-0.01	(0.02)	0.02	(0.05)	0.0	(0.0)
	France	-0.10	(0.02)	0.5	(0.2)	-0.21	(0.04)	0.7	(0.2)	-0.05	(0.02)	-0.15	(0.05)	0.8	(0.2)
	Germany	-0.02	(0.01)	0.0	(0.1)	-0.09	(0.04)	0.2	(0.2)	0.00	(0.02)	-0.10	(0.04)	0.2	(0.2)
	Greece	-0.07	(0.02)	0.5	(0.2)	-0.08	(0.03)	0.2	(0.1)	-0.07	(0.02)	-0.01	(0.03)	0.5	(0.2)
	Hungary	-0.02	(0.02)	0.0	(0.1)	-0.06	(0.03)	0.1	(0.1)	0.01	(0.02)	-0.07	(0.04)	0.2	(0.1)
	Iceland	0.04	(0.03)	0.1	(0.1)	0.09	(0.06)	0.1	(0.1)	0.03	(0.03)	0.05	(0.07)	0.1	(0.2)
	Ireland	-0.07	(0.02)	0.3	(0.2)	-0.11	(0.04)	0.2	(0.1)	-0.06	(0.02)	-0.05	(0.04)	0.4	(0.2)
	Israel	-0.06	(0.02)	0.2	(0.1)	-0.21	(0.05)	0.7	(0.3)	-0.01	(0.02)	-0.20	(0.06)	0.7	(0.3)
	Italy	-0.06	(0.01)	0.4	(0.2)	-0.15	(0.03)	0.6	(0.2)	-0.03	(0.01)	-0.12	(0.03)	0.6	(0.2)
	Japan	-0.01	(0.02)	0.0	(0.0)	0.00	(0.06)	0.0	(0.0)	-0.01	(0.02)	0.01	(0.06)	0.0	(0.0)
	Korea	0.09	(0.02)	0.4	(0.2)	0.11	(0.05)	0.2	(0.1)	0.08	(0.02)	0.03	(0.05)	0.4	(0.2)
	Latvia	-0.05	(0.02)	0.2	(0.2)	-0.10	(0.05)	0.2	(0.2)	-0.03	(0.02)	-0.07	(0.05)	0.3	(0.2)
	Luxembourg	-0.06	(0.01)	0.3	(0.2)	-0.08	(0.02)	0.2	(0.1)	-0.05	(0.02)	-0.04	(0.03)	0.4	(0.2)
	Mexico	-0.04	(0.01)	0.2	(0.1)	-0.03	(0.02)	0.1	(0.1)	-0.04	(0.01)	0.00	(0.02)	0.2	(0.1)
	Netherlands	-0.05	(0.02)	0.3	(0.2)	-0.20	(0.04)	0.8	(0.3)	-0.01	(0.02)	-0.18	(0.04)	0.8	(0.3)
	New Zealand	-0.05	(0.02)	0.1	(0.1)	-0.10	(0.05)	0.1	(0.1)	-0.03	(0.03)	-0.06	(0.06)	0.2	(0.2)
	Norway	-0.06	(0.02)	0.2	(0.1)	-0.11	(0.07)	0.1	(0.1)	-0.05	(0.02)	-0.06	(0.07)	0.2	(0.2)
	Poland	-0.12	(0.02)	0.9	(0.3)	-0.25	(0.05)	0.9	(0.3)	-0.08	(0.02)	-0.17	(0.06)	1.3	(0.4)
	Portugal	-0.05	(0.01)	0.3	(0.1)	-0.09	(0.02)	0.3	(0.1)	-0.03	(0.02)	-0.06	(0.03)	0.4	(0.2)
	Slovak Republic	0.04	(0.02)	0.1	(0.1)	0.11	(0.04)	0.4	(0.3)	0.00	(0.02)	0.11	(0.04)	0.4	(0.3)
	Slovenia	-0.05	(0.02)	0.2	(0.1)	-0.15	(0.03)	0.5	(0.2)	0.00	(0.02)	-0.15	(0.04)	0.5	(0.2)
	Spain	-0.03	(0.01)	0.1	(0.1)	-0.03	(0.03)	0.0	(0.1)	-0.03	(0.01)	-0.01	(0.03)	0.1	(0.1)
	Sweden	-0.04	(0.02)	0.1	(0.1)	-0.08	(0.06)	0.1	(0.1)	-0.03	(0.02)	-0.05	(0.06)	0.1	(0.1)
	Switzerland	-0.12	(0.02)	1.2	(0.3)	-0.31	(0.04)	1.8	(0.5)	-0.07	(0.02)	-0.24	(0.05)	2.0	(0.5)
Turkey	0.03	(0.01)	0.2	(0.1)	0.07	(0.02)	0.2	(0.1)	0.02	(0.01)	0.05	(0.03)	0.3	(0.2)	
United Kingdom	-0.01	(0.02)	0.0	(0.0)	-0.06	(0.03)	0.1	(0.1)	0.01	(0.02)	-0.07	(0.04)	0.1	(0.1)	
United States	-0.01	(0.02)	0.0	(0.0)	-0.03	(0.04)	0.0	(0.1)	-0.01	(0.02)	-0.02	(0.04)	0.0	(0.1)	
OECD average-32	-0.03	(0.00)	0.2	(0.0)	-0.08	(0.01)	0.3	(0.0)	-0.01	(0.00)	-0.06	(0.01)	0.4	(0.0)	
OECD average-35	-0.04	(0.00)	0.3	(0.0)	-0.09	(0.01)	0.4	(0.0)	-0.02	(0.00)	-0.07	(0.01)	0.5	(0.0)	
Partners	Brazil	0.00	(0.01)	0.0	(0.0)	0.00	(0.01)	0.0	(0.0)	0.00	(0.01)	0.00	(0.02)	0.0	(0.0)
	B-S-J-G (China)	0.02	(0.01)	0.1	(0.1)	0.00	(0.02)	0.0	(0.0)	0.03	(0.01)	-0.03	(0.02)	0.1	(0.1)
	Bulgaria	0.01	(0.02)	0.0	(0.0)	-0.04	(0.03)	0.0	(0.1)	0.04	(0.02)	-0.08	(0.04)	0.1	(0.1)
	Colombia	-0.02	(0.01)	0.1	(0.1)	-0.05	(0.02)	0.1	(0.1)	0.00	(0.01)	-0.04	(0.02)	0.1	(0.1)
	Costa Rica	-0.08	(0.01)	0.9	(0.3)	-0.15	(0.03)	1.1	(0.4)	-0.04	(0.02)	-0.11	(0.04)	1.3	(0.4)
	Croatia	-0.07	(0.02)	0.4	(0.2)	-0.19	(0.03)	0.6	(0.2)	-0.04	(0.02)	-0.14	(0.04)	0.7	(0.2)
	Cyprus*	-0.03	(0.02)	0.1	(0.1)	-0.14	(0.03)	0.4	(0.2)	0.01	(0.02)	-0.15	(0.04)	0.4	(0.2)
	Dominican Republic	0.04	(0.02)	0.2	(0.1)	0.09	(0.03)	0.2	(0.2)	0.02	(0.02)	0.07	(0.04)	0.3	(0.2)
	Hong Kong (China)	0.04	(0.02)	0.2	(0.1)	0.05	(0.03)	0.0	(0.1)	0.04	(0.02)	0.00	(0.04)	0.2	(0.1)
	Lithuania	-0.01	(0.02)	0.0	(0.0)	-0.14	(0.04)	0.3	(0.2)	0.04	(0.02)	-0.18	(0.05)	0.4	(0.2)
	Macao (China)	0.01	(0.02)	0.0	(0.0)	-0.02	(0.03)	0.0	(0.0)	0.02	(0.02)	-0.04	(0.03)	0.0	(0.1)
	Montenegro	-0.03	(0.02)	0.1	(0.1)	-0.28	(0.04)	0.9	(0.3)	0.02	(0.02)	-0.30	(0.05)	0.9	(0.3)
	Peru	0.05	(0.01)	0.5	(0.2)	0.07	(0.02)	0.5	(0.2)	0.03	(0.01)	0.04	(0.02)	0.5	(0.3)
	Qatar	0.05	(0.01)	0.2	(0.1)	-0.02	(0.03)	0.0	(0.0)	0.07	(0.01)	-0.09	(0.03)	0.2	(0.1)
	Russia	-0.05	(0.02)	0.2	(0.2)	-0.20	(0.05)	0.7	(0.3)	0.00	(0.02)	-0.20	(0.05)	0.7	(0.3)
	Singapore	-0.07	(0.02)	0.4	(0.2)	-0.22	(0.03)	1.0	(0.3)	-0.01	(0.02)	-0.21	(0.03)	1.1	(0.3)
	Chinese Taipei	0.00	(0.01)	0.0	(0.0)	-0.08	(0.03)	0.1	(0.1)	0.03	(0.02)	-0.11	(0.04)	0.2	(0.1)
	Thailand	0.04	(0.01)	0.3	(0.2)	0.03	(0.02)	0.1	(0.1)	0.05	(0.01)	-0.01	(0.02)	0.3	(0.2)
	Tunisia	-0.09	(0.01)	1.1	(0.3)	-0.17	(0.03)	1.3	(0.4)	-0.05	(0.02)	-0.12	(0.03)	1.5	(0.4)
	United Arab Emirates	-0.02	(0.02)	0.0	(0.0)	-0.25	(0.05)	0.8	(0.3)	0.06	(0.02)	-0.31	(0.06)	0.9	(0.3)
	Uruguay	-0.04	(0.01)	0.2	(0.1)	-0.10	(0.02)	0.4	(0.1)	0.00	(0.02)	-0.10	(0.02)	0.4	(0.1)
	Malaysia**	0.00	(0.01)	0.0	(0.0)	-0.07	(0.03)	0.2	(0.2)	0.02	(0.01)	-0.09	(0.04)	0.3	(0.2)

1. ESCS refers to the PISA index of economic, social and cultural status.

2. Socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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Table V.5.8a Index of valuing relationships, by immigrant background

		Index of valuing relationships										Difference in the index of valuing relationships					
		All students		Non-immigrant students		Immigrant students		Second-generation immigrants		First-generation immigrants		Non-immigrants minus immigrants		Non-immigrants minus second-generation immigrants		Non-immigrants minus first-generation immigrants	
		Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Index dif.	S.E.	Index dif.	S.E.	Index dif.	S.E.
OECD	Australia	0.09	(0.01)	0.05	(0.01)	0.19	(0.03)	0.18	(0.03)	0.20	(0.03)	-0.13	(0.03)	-0.12	(0.03)	-0.14	(0.04)
	Austria	0.24	(0.01)	0.25	(0.02)	0.21	(0.03)	0.23	(0.04)	0.17	(0.06)	0.04	(0.04)	0.02	(0.05)	0.09	(0.06)
	Belgium	-0.06	(0.01)	-0.07	(0.01)	-0.04	(0.03)	-0.02	(0.04)	-0.06	(0.04)	-0.03	(0.03)	-0.04	(0.04)	-0.01	(0.05)
	Canada	0.11	(0.01)	0.07	(0.01)	0.21	(0.02)	0.20	(0.02)	0.23	(0.04)	-0.14	(0.02)	-0.13	(0.02)	-0.16	(0.04)
	Chile	0.09	(0.02)	0.09	(0.02)	-0.09	(0.09)	0.13	(0.18)	-0.17	(0.12)	0.18	(0.10)	-0.04	(0.18)	0.26	(0.13)
	Czech Republic	-0.19	(0.01)	-0.19	(0.01)	-0.42	(0.08)	-0.36	(0.12)	-0.47	(0.10)	0.23	(0.08)	0.17	(0.12)	0.29	(0.10)
	Denmark	0.01	(0.01)	0.02	(0.02)	-0.03	(0.03)	0.00	(0.04)	-0.13	(0.07)	0.05	(0.04)	0.01	(0.05)	0.15	(0.07)
	Estonia	0.03	(0.02)	0.05	(0.02)	-0.12	(0.04)	-0.13	(0.05)	0.06	(0.23)	0.17	(0.05)	0.18	(0.05)	-0.01	(0.23)
	Finland	-0.08	(0.01)	-0.08	(0.01)	-0.06	(0.07)	0.06	(0.08)	-0.16	(0.10)	-0.02	(0.07)	-0.14	(0.08)	0.07	(0.10)
	France	-0.07	(0.01)	-0.06	(0.02)	-0.09	(0.04)	-0.10	(0.05)	-0.06	(0.06)	0.02	(0.04)	0.03	(0.05)	0.00	(0.06)
	Germany	0.16	(0.02)	0.15	(0.02)	0.18	(0.04)	0.16	(0.04)	0.23	(0.09)	-0.02	(0.05)	-0.01	(0.05)	-0.07	(0.09)
	Greece	0.03	(0.02)	0.05	(0.02)	-0.10	(0.06)	-0.06	(0.07)	-0.19	(0.11)	0.15	(0.07)	0.11	(0.08)	0.24	(0.11)
	Hungary	-0.03	(0.02)	-0.03	(0.02)	0.06	(0.10)	0.13	(0.12)	-0.02	(0.15)	-0.09	(0.09)	-0.16	(0.12)	0.00	(0.15)
	Iceland	-0.09	(0.02)	-0.08	(0.02)	-0.15	(0.08)	0.03	(0.15)	-0.23	(0.10)	0.07	(0.08)	-0.12	(0.16)	0.15	(0.10)
	Ireland	0.03	(0.01)	0.03	(0.01)	0.02	(0.03)	-0.10	(0.07)	0.06	(0.04)	0.01	(0.03)	0.13	(0.07)	-0.03	(0.04)
	Israel	0.24	(0.02)	0.26	(0.02)	0.17	(0.05)	0.16	(0.06)	0.20	(0.09)	0.09	(0.05)	0.10	(0.06)	0.06	(0.09)
	Italy	-0.13	(0.01)	-0.14	(0.02)	-0.09	(0.05)	-0.09	(0.07)	-0.09	(0.07)	-0.05	(0.05)	-0.04	(0.07)	-0.05	(0.08)
	Japan	-0.22	(0.02)	-0.22	(0.02)	-0.37	(0.24)	c	c	c	c	0.15	(0.24)	c	c	c	c
	Korea	-0.02	(0.02)	-0.02	(0.02)	c	c	m	m	c	c	c	c	m	m	c	c
	Latvia	-0.30	(0.02)	-0.30	(0.02)	-0.36	(0.06)	-0.32	(0.06)	-0.53	(0.24)	0.07	(0.06)	0.03	(0.06)	0.23	(0.24)
	Luxembourg	0.04	(0.01)	0.06	(0.02)	0.01	(0.02)	0.04	(0.02)	-0.04	(0.03)	0.05	(0.03)	0.02	(0.03)	0.10	(0.03)
	Mexico	0.17	(0.02)	0.17	(0.02)	0.15	(0.15)	c	c	0.30	(0.18)	0.01	(0.15)	c	c	-0.13	(0.18)
	Netherlands	-0.18	(0.01)	-0.20	(0.01)	-0.05	(0.04)	-0.04	(0.04)	-0.12	(0.11)	-0.14	(0.04)	-0.16	(0.04)	-0.08	(0.11)
	New Zealand	0.02	(0.02)	-0.02	(0.02)	0.11	(0.04)	0.15	(0.05)	0.09	(0.04)	-0.13	(0.04)	-0.17	(0.05)	-0.11	(0.05)
	Norway	0.11	(0.02)	0.11	(0.02)	0.08	(0.05)	0.17	(0.06)	-0.01	(0.09)	0.03	(0.05)	-0.06	(0.06)	0.12	(0.09)
	Poland	-0.20	(0.02)	-0.20	(0.02)	c	c	c	c	c	c	c	c	c	c	c	c
	Portugal	0.37	(0.02)	0.38	(0.02)	0.30	(0.05)	0.30	(0.07)	0.31	(0.07)	0.07	(0.05)	0.08	(0.07)	0.07	(0.07)
	Slovak Republic	-0.34	(0.01)	-0.33	(0.01)	-0.61	(0.20)	-0.47	(0.23)	c	c	0.27	(0.20)	0.13	(0.23)	c	c
	Slovenia	-0.04	(0.01)	-0.03	(0.02)	-0.14	(0.06)	-0.16	(0.06)	-0.12	(0.10)	0.11	(0.06)	0.13	(0.06)	0.09	(0.10)
	Spain	0.19	(0.02)	0.18	(0.02)	0.26	(0.04)	0.33	(0.10)	0.25	(0.05)	-0.08	(0.04)	-0.15	(0.10)	-0.07	(0.05)
	Sweden	0.05	(0.02)	0.04	(0.02)	0.08	(0.04)	0.09	(0.05)	0.07	(0.07)	-0.04	(0.05)	-0.05	(0.05)	-0.02	(0.07)
	Switzerland	0.20	(0.02)	0.21	(0.03)	0.17	(0.03)	0.22	(0.04)	0.07	(0.05)	0.04	(0.04)	-0.01	(0.04)	0.14	(0.06)
	Turkey	0.01	(0.02)	0.01	(0.02)	-0.44	(0.24)	0.08	(0.23)	c	c	0.45	(0.24)	-0.07	(0.23)	c	c
	United Kingdom	-0.03	(0.02)	-0.05	(0.02)	0.07	(0.03)	0.14	(0.05)	0.00	(0.06)	-0.12	(0.04)	-0.19	(0.05)	-0.05	(0.06)
	United States	0.13	(0.02)	0.14	(0.02)	0.13	(0.03)	0.13	(0.03)	0.13	(0.05)	0.01	(0.03)	0.01	(0.04)	0.01	(0.05)
	OECD average-32	0.01	(0.00)	0.01	(0.00)	-0.03	(0.02)	0.03	(0.02)	-0.01	(0.02)	0.04	(0.02)	-0.02	(0.02)	0.04	(0.02)
	OECD average-35	0.01	(0.00)	0.01	(0.00)	-0.02	(0.02)	0.04	(0.02)	0.00	(0.02)	0.04	(0.02)	-0.02	(0.02)	0.04	(0.02)
Partners	Brazil	-0.04	(0.01)	-0.04	(0.01)	-0.16	(0.15)	-0.18	(0.20)	-0.12	(0.19)	0.13	(0.15)	0.15	(0.21)	0.08	(0.19)
	B-S-J-G (China)	0.02	(0.02)	0.02	(0.02)	c	c	c	c	c	c	c	c	c	c	c	c
	Bulgaria	-0.03	(0.02)	-0.03	(0.02)	-0.17	(0.19)	c	c	c	c	0.14	(0.19)	c	c	c	c
	Colombia	0.06	(0.02)	0.06	(0.02)	-0.10	(0.20)	-0.06	(0.25)	c	c	0.16	(0.20)	0.12	(0.25)	c	c
	Costa Rica	0.35	(0.02)	0.35	(0.02)	0.35	(0.05)	0.44	(0.07)	0.17	(0.08)	0.00	(0.06)	-0.09	(0.07)	0.18	(0.09)
	Croatia	0.01	(0.02)	0.01	(0.02)	-0.02	(0.05)	-0.07	(0.05)	0.20	(0.11)	0.03	(0.05)	0.08	(0.05)	-0.19	(0.11)
	Cyprus*	0.07	(0.01)	0.08	(0.01)	-0.03	(0.05)	-0.03	(0.09)	-0.02	(0.05)	0.11	(0.05)	0.12	(0.09)	0.11	(0.05)
	Dominican Republic	0.29	(0.02)	0.30	(0.02)	0.01	(0.16)	-0.05	(0.20)	0.10	(0.26)	0.28	(0.17)	0.35	(0.20)	0.20	(0.26)
	Hong Kong (China)	-0.04	(0.02)	-0.04	(0.02)	-0.04	(0.02)	0.00	(0.03)	-0.11	(0.04)	0.00	(0.03)	-0.04	(0.04)	0.08	(0.04)
	Lithuania	0.17	(0.02)	0.17	(0.02)	-0.13	(0.14)	0.02	(0.12)	-0.65	(0.43)	0.30	(0.14)	0.15	(0.12)	0.83	(0.43)
	Macao (China)	-0.15	(0.01)	-0.18	(0.02)	-0.13	(0.02)	-0.14	(0.02)	-0.12	(0.03)	-0.05	(0.02)	-0.04	(0.03)	-0.06	(0.04)
	Montenegro	-0.04	(0.01)	-0.04	(0.01)	-0.17	(0.06)	-0.09	(0.08)	-0.31	(0.09)	0.13	(0.06)	0.05	(0.08)	0.28	(0.09)
	Peru	-0.08	(0.02)	-0.08	(0.01)	-0.28	(0.26)	c	c	c	c	0.20	(0.26)	c	c	c	c
	Qatar	0.13	(0.01)	0.03	(0.02)	0.20	(0.01)	0.20	(0.03)	0.20	(0.02)	-0.17	(0.02)	-0.17	(0.03)	-0.17	(0.03)
	Russia	-0.25	(0.02)	-0.26	(0.02)	-0.14	(0.06)	-0.14	(0.08)	-0.13	(0.10)	-0.12	(0.06)	-0.11	(0.08)	-0.13	(0.09)
	Singapore	0.32	(0.02)	0.32	(0.02)	0.28	(0.03)	0.29	(0.05)	0.28	(0.04)	0.04	(0.03)	0.03	(0.05)	0.05	(0.04)
	Chinese Taipei	0.22	(0.02)	0.22	(0.02)	c	c	c	c	c	c	c	c	c	c	c	c
	Thailand	0.10	(0.02)	0.10	(0.02)	0.07	(0.15)	-0.04	(0.16)	c	c	0.04	(0.15)	0.15	(0.16)	c	c
	Tunisia	0.13	(0.02)	0.14	(0.02)	-0.42	(0.13)	-0.55	(0.14)	c	c	0.57	(0.13)	0.70	(0.14)	c	c
	United Arab Emirates	0.33	(0.02)	0.37	(0.02)	0.30	(0.02)	0.34	(0.03)	0.27	(0.02)	0.07	(0.03)	0.03	(0.03)	0.10	(0.03)
	Uruguay	0.11	(0.02)	0.11	(0.02)	0.34	(0.21)	c	c	c	c	-0.23	(0.21)	c	c	c	c
	Malaysia**	-0.02	(0.02)	-0.02	(0.02)	-0.20	(0.14)	-0.20	(0.15)	c	c	0.18	(0.14)	0.18	(0.15)	c	c

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.5.8b Index of valuing teamwork, by immigrant background

		Index of valuing teamwork										Difference in the index of valuing teamwork					
		All students		Non-immigrant students		Immigrant students		Second-generation immigrants		First-generation immigrants		Non-immigrants minus immigrants		Non-immigrants minus second-generation immigrants		Non-immigrants minus first-generation immigrants	
		Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Index dif.	S.E.	Index dif.	S.E.	Index dif.	S.E.
OECD	Australia	0.01	(0.01)	-0.03	(0.01)	0.10	(0.02)	0.08	(0.03)	0.12	(0.03)	-0.13	(0.02)	-0.10	(0.03)	-0.15	(0.03)
	Austria	0.19	(0.01)	0.16	(0.02)	0.27	(0.03)	0.32	(0.04)	0.19	(0.06)	-0.11	(0.04)	-0.16	(0.04)	-0.03	(0.06)
	Belgium	-0.11	(0.01)	-0.13	(0.02)	0.00	(0.04)	0.02	(0.04)	-0.02	(0.06)	-0.13	(0.04)	-0.15	(0.04)	-0.11	(0.07)
	Canada	0.00	(0.01)	-0.03	(0.01)	0.06	(0.02)	0.05	(0.03)	0.07	(0.03)	-0.09	(0.03)	-0.08	(0.03)	-0.10	(0.03)
	Chile	0.21	(0.02)	0.21	(0.02)	0.11	(0.09)	0.38	(0.20)	0.02	(0.10)	0.10	(0.09)	-0.17	(0.20)	0.19	(0.11)
	Czech Republic	0.01	(0.02)	0.01	(0.02)	-0.01	(0.09)	0.17	(0.13)	-0.18	(0.10)	0.02	(0.09)	-0.16	(0.13)	0.19	(0.10)
	Denmark	-0.12	(0.02)	-0.12	(0.02)	-0.12	(0.03)	-0.10	(0.03)	-0.15	(0.07)	-0.01	(0.03)	-0.02	(0.04)	0.03	(0.07)
	Estonia	-0.10	(0.02)	-0.10	(0.02)	-0.09	(0.05)	-0.09	(0.05)	-0.07	(0.26)	-0.01	(0.05)	0.00	(0.05)	-0.02	(0.26)
	Finland	-0.21	(0.02)	-0.22	(0.02)	-0.12	(0.09)	-0.12	(0.12)	-0.12	(0.11)	-0.10	(0.09)	-0.10	(0.12)	-0.10	(0.11)
	France	0.11	(0.02)	0.11	(0.02)	0.10	(0.04)	0.07	(0.04)	0.16	(0.07)	0.00	(0.04)	0.03	(0.04)	-0.05	(0.08)
	Germany	0.15	(0.02)	0.14	(0.02)	0.16	(0.04)	0.16	(0.04)	0.19	(0.09)	-0.02	(0.04)	-0.01	(0.04)	-0.04	(0.09)
	Greece	0.18	(0.01)	0.17	(0.01)	0.23	(0.05)	0.29	(0.07)	0.11	(0.09)	-0.06	(0.06)	-0.12	(0.07)	0.06	(0.09)
	Hungary	-0.02	(0.02)	-0.02	(0.02)	-0.02	(0.09)	-0.02	(0.10)	-0.01	(0.18)	0.00	(0.09)	0.00	(0.11)	-0.01	(0.18)
	Iceland	-0.21	(0.02)	-0.21	(0.02)	-0.01	(0.08)	0.10	(0.16)	-0.06	(0.11)	-0.20	(0.09)	-0.32	(0.16)	-0.15	(0.11)
	Ireland	0.04	(0.02)	0.05	(0.02)	0.01	(0.04)	-0.07	(0.08)	0.04	(0.04)	0.04	(0.04)	0.12	(0.07)	0.01	(0.04)
	Israel	-0.03	(0.02)	-0.01	(0.02)	-0.15	(0.04)	-0.16	(0.05)	-0.12	(0.08)	0.14	(0.05)	0.15	(0.05)	0.11	(0.09)
	Italy	0.02	(0.02)	0.01	(0.02)	0.17	(0.06)	0.08	(0.10)	0.23	(0.06)	-0.16	(0.06)	-0.07	(0.10)	-0.22	(0.07)
	Japan	-0.03	(0.02)	-0.03	(0.02)	-0.23	(0.20)	c	c	c	c	0.20	(0.20)	c	c	c	c
	Korea	0.14	(0.01)	0.14	(0.01)	c	c	m	m	c	c	c	c	m	m	c	c
	Latvia	-0.14	(0.02)	-0.14	(0.02)	-0.22	(0.08)	-0.16	(0.08)	-0.46	(0.24)	0.08	(0.08)	0.03	(0.08)	0.32	(0.24)
	Luxembourg	0.00	(0.01)	-0.03	(0.02)	0.02	(0.02)	0.07	(0.03)	-0.03	(0.03)	-0.05	(0.03)	-0.09	(0.03)	0.01	(0.04)
	Mexico	0.23	(0.01)	0.23	(0.01)	0.29	(0.11)	c	c	0.45	(0.11)	-0.05	(0.11)	c	c	-0.22	(0.12)
	Netherlands	-0.26	(0.01)	-0.27	(0.01)	-0.17	(0.04)	-0.18	(0.05)	-0.13	(0.08)	-0.09	(0.04)	-0.09	(0.05)	-0.14	(0.09)
	New Zealand	0.07	(0.02)	0.05	(0.02)	0.11	(0.04)	0.22	(0.06)	0.04	(0.05)	-0.06	(0.04)	-0.17	(0.06)	0.02	(0.05)
	Norway	-0.23	(0.02)	-0.23	(0.02)	-0.20	(0.04)	-0.18	(0.06)	-0.22	(0.07)	-0.03	(0.05)	-0.06	(0.07)	-0.01	(0.07)
	Poland	-0.05	(0.02)	-0.05	(0.02)	c	c	c	c	c	c	c	c	c	c	c	c
	Portugal	0.32	(0.02)	0.32	(0.02)	0.24	(0.05)	0.23	(0.07)	0.25	(0.07)	0.08	(0.05)	0.09	(0.07)	0.07	(0.07)
	Slovak Republic	-0.12	(0.02)	-0.11	(0.02)	-0.59	(0.17)	-0.53	(0.17)	c	c	0.48	(0.17)	0.41	(0.17)	c	c
	Slovenia	0.02	(0.01)	0.02	(0.02)	0.09	(0.06)	0.07	(0.07)	0.12	(0.09)	-0.07	(0.06)	-0.05	(0.07)	-0.10	(0.09)
	Spain	0.15	(0.02)	0.15	(0.02)	0.12	(0.04)	0.20	(0.11)	0.10	(0.04)	0.03	(0.04)	-0.05	(0.10)	0.05	(0.05)
	Sweden	-0.19	(0.02)	-0.21	(0.02)	-0.07	(0.05)	-0.10	(0.07)	-0.04	(0.06)	-0.14	(0.05)	-0.11	(0.07)	-0.17	(0.06)
	Switzerland	0.22	(0.02)	0.18	(0.03)	0.30	(0.03)	0.36	(0.04)	0.18	(0.04)	-0.12	(0.04)	-0.18	(0.04)	0.01	(0.05)
	Turkey	-0.04	(0.02)	-0.03	(0.02)	-0.34	(0.26)	-0.06	(0.33)	c	c	0.31	(0.26)	0.03	(0.34)	c	c
	United Kingdom	-0.04	(0.01)	-0.06	(0.02)	0.06	(0.03)	0.13	(0.05)	0.00	(0.05)	-0.13	(0.04)	-0.19	(0.05)	-0.07	(0.06)
	United States	0.06	(0.02)	0.04	(0.02)	0.11	(0.03)	0.13	(0.03)	0.08	(0.06)	-0.07	(0.03)	-0.09	(0.04)	-0.04	(0.06)
	OECD average-32	0.00	(0.00)	-0.01	(0.00)	0.00	(0.02)	0.04	(0.02)	0.02	(0.02)	-0.01	(0.02)	-0.06	(0.02)	-0.02	(0.02)
	OECD average-35	0.01	(0.00)	0.00	(0.00)	0.01	(0.01)	0.04	(0.02)	0.02	(0.02)	-0.01	(0.01)	-0.05	(0.02)	-0.02	(0.02)
Partners	Brazil	0.21	(0.01)	0.21	(0.01)	0.14	(0.16)	0.24	(0.20)	-0.11	(0.19)	0.07	(0.16)	-0.03	(0.20)	0.32	(0.19)
	B-S-J-G (China)	0.40	(0.01)	0.40	(0.01)	0.04	(0.27)	c	c	c	c	0.36	(0.27)	c	c	c	c
	Bulgaria	-0.07	(0.02)	-0.07	(0.02)	-0.29	(0.14)	c	c	c	c	0.22	(0.15)	c	c	c	c
	Colombia	0.24	(0.01)	0.24	(0.01)	-0.06	(0.18)	-0.01	(0.25)	c	c	0.30	(0.18)	0.25	(0.25)	c	c
	Costa Rica	0.34	(0.02)	0.34	(0.02)	0.36	(0.05)	0.37	(0.06)	0.32	(0.08)	-0.02	(0.05)	-0.03	(0.06)	0.01	(0.08)
	Croatia	0.21	(0.02)	0.20	(0.02)	0.35	(0.04)	0.35	(0.05)	0.34	(0.10)	-0.15	(0.04)	-0.15	(0.05)	-0.15	(0.09)
	Cyprus*	0.10	(0.01)	0.12	(0.01)	-0.07	(0.04)	0.01	(0.08)	-0.10	(0.05)	0.19	(0.05)	0.11	(0.08)	0.22	(0.05)
	Dominican Republic	0.52	(0.02)	0.53	(0.02)	0.25	(0.13)	0.11	(0.16)	0.43	(0.21)	0.28	(0.14)	0.41	(0.16)	0.09	(0.22)
	Hong Kong (China)	0.05	(0.02)	0.07	(0.02)	0.01	(0.02)	0.03	(0.04)	-0.03	(0.04)	0.07	(0.03)	0.04	(0.04)	0.11	(0.04)
	Lithuania	0.34	(0.02)	0.34	(0.02)	-0.02	(0.13)	0.12	(0.11)	-0.51	(0.40)	0.36	(0.13)	0.22	(0.11)	0.85	(0.40)
	Macao (China)	0.00	(0.01)	0.02	(0.02)	0.00	(0.01)	-0.01	(0.02)	0.02	(0.03)	0.02	(0.03)	0.03	(0.03)	0.00	(0.04)
	Montenegro	-0.08	(0.01)	-0.07	(0.01)	-0.23	(0.06)	-0.15	(0.08)	-0.38	(0.10)	0.16	(0.06)	0.08	(0.08)	0.31	(0.10)
	Peru	0.09	(0.01)	0.09	(0.01)	-0.44	(0.21)	c	c	c	c	0.53	(0.21)	c	c	c	c
	Qatar	0.24	(0.01)	0.16	(0.01)	0.31	(0.01)	0.33	(0.02)	0.30	(0.01)	-0.15	(0.02)	-0.17	(0.02)	-0.14	(0.02)
	Russia	-0.18	(0.02)	-0.18	(0.02)	-0.08	(0.08)	-0.11	(0.09)	-0.04	(0.10)	-0.10	(0.08)	-0.07	(0.09)	-0.14	(0.10)
	Singapore	0.27	(0.01)	0.30	(0.01)	0.16	(0.04)	0.14	(0.06)	0.16	(0.05)	0.14	(0.04)	0.16	(0.06)	0.14	(0.06)
	Chinese Taipei	0.37	(0.02)	0.37	(0.02)	c	c	c	c	c	c	c	c	c	c	c	c
	Thailand	0.38	(0.02)	0.38	(0.02)	0.36	(0.13)	0.37	(0.15)	c	c	0.01	(0.13)	0.00	(0.15)	c	c
	Tunisia	0.43	(0.02)	0.43	(0.02)	0.35	(0.13)	0.28	(0.13)	c	c	0.09	(0.13)	0.15	(0.13)	c	c
	United Arab Emirates	0.46	(0.02)	0.51	(0.02)	0.42	(0.02)	0.47	(0.02)	0.39	(0.02)	0.09	(0.02)	0.04	(0.02)	0.12	(0.03)
	Uruguay	0.20	(0.01)	0.20	(0.01)	0.16	(0.19)	c	c	c	c	0.03	(0.19)	c	c	c	c
	Malaysia**	0.59	(0.02)	0.59	(0.02)	0.42	(0.13)	0.38	(0.15)	c	c	0.18	(0.13)	0.21	(0.15)	c	c

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.5.12 Correlation between indices of attitudes towards collaboration and indices of well-being

		Correlation between... and...													
		Index of valuing relationships		Index of valuing relationships						Index of valuing teamwork					
		Index of valuing teamwork		Life satisfaction	Index of schoolwork-related anxiety	Index of achievement motivation	Index of sense of belonging	Index of exposure to bullying	Life satisfaction	Index of schoolwork-related anxiety	Index of achievement motivation	Index of sense of belonging	Index of exposure to bullying	Life satisfaction	Index of exposure to bullying
		Corr.	S.E.												
		Corr.	S.E.	Corr.	S.E.	Corr.	S.E.	Corr.	S.E.	Corr.	S.E.	Corr.	S.E.	Corr.	S.E.
OECD	Australia	0.41	(0.01)	m	m	0.07	(0.01)	0.27	(0.01)	0.18	(0.01)	-0.09	(0.01)	m	m
	Austria	0.36	(0.01)	0.10	(0.02)	-0.01	(0.02)	0.12	(0.01)	0.20	(0.01)	-0.15	(0.02)	0.11	(0.01)
	Belgium ¹	0.32	(0.01)	0.11	(0.02)	0.07	(0.01)	0.13	(0.01)	0.16	(0.01)	-0.08	(0.01)	0.08	(0.02)
	Canada	0.45	(0.01)	m	m	0.04	(0.01)	0.25	(0.01)	0.23	(0.01)	-0.11	(0.01)	m	m
	Chile	0.48	(0.01)	0.13	(0.02)	0.04	(0.02)	0.24	(0.02)	0.17	(0.02)	-0.07	(0.02)	0.17	(0.02)
	Czech Republic	0.35	(0.02)	0.06	(0.02)	0.07	(0.02)	0.15	(0.02)	-0.09	(0.02)	0.12	(0.01)	0.10	(0.02)
	Denmark	0.31	(0.01)	m	m	0.00	(0.01)	0.18	(0.02)	0.20	(0.02)	-0.14	(0.02)	m	m
	Estonia	0.39	(0.02)	0.13	(0.01)	0.02	(0.02)	0.22	(0.02)	0.18	(0.02)	-0.08	(0.01)	0.15	(0.01)
	Finland	0.39	(0.01)	0.13	(0.02)	-0.06	(0.02)	0.16	(0.02)	0.18	(0.02)	-0.08	(0.02)	0.18	(0.01)
	France	0.34	(0.01)	0.09	(0.01)	0.11	(0.02)	0.20	(0.01)	0.17	(0.02)	-0.04	(0.02)	0.07	(0.02)
	Germany	0.34	(0.01)	0.13	(0.02)	-0.01	(0.02)	0.13	(0.01)	0.17	(0.02)	-0.12	(0.02)	0.12	(0.01)
	Greece	0.46	(0.02)	0.10	(0.02)	0.05	(0.02)	0.11	(0.02)	0.19	(0.01)	-0.13	(0.02)	0.10	(0.02)
	Hungary	0.41	(0.01)	0.11	(0.02)	0.09	(0.02)	0.23	(0.02)	0.17	(0.01)	-0.06	(0.02)	0.12	(0.02)
	Iceland	0.43	(0.02)	0.21	(0.01)	-0.14	(0.02)	0.29	(0.02)	0.15	(0.02)	-0.14	(0.02)	0.15	(0.02)
	Ireland	0.36	(0.02)	0.11	(0.01)	0.04	(0.02)	0.24	(0.02)	0.17	(0.01)	-0.06	(0.01)	0.18	(0.01)
	Israel	0.45	(0.01)	m	m	-0.05	(0.02)	0.27	(0.02)	m	m	m	m	m	m
	Italy	0.37	(0.01)	0.06	(0.02)	0.15	(0.02)	0.17	(0.01)	0.14	(0.01)	m	m	0.10	(0.02)
	Japan	0.60	(0.01)	0.23	(0.01)	0.13	(0.01)	0.19	(0.01)	0.35	(0.01)	-0.07	(0.02)	0.28	(0.01)
	Korea	0.57	(0.01)	0.20	(0.01)	-0.01	(0.02)	0.22	(0.02)	0.36	(0.02)	-0.04	(0.01)	0.20	(0.01)
	Latvia	0.40	(0.02)	0.13	(0.02)	0.09	(0.02)	0.23	(0.02)	0.14	(0.02)	-0.10	(0.02)	0.12	(0.02)
	Luxembourg	0.41	(0.01)	0.12	(0.02)	0.04	(0.02)	0.18	(0.02)	0.18	(0.02)	-0.08	(0.02)	0.11	(0.02)
	Mexico	0.52	(0.01)	0.13	(0.01)	0.09	(0.01)	0.33	(0.02)	0.13	(0.02)	-0.07	(0.01)	0.13	(0.01)
	Netherlands	0.29	(0.02)	0.08	(0.02)	0.00	(0.02)	0.18	(0.02)	0.18	(0.02)	-0.03	(0.02)	0.15	(0.02)
	New Zealand	0.41	(0.02)	m	m	0.07	(0.02)	0.31	(0.02)	0.19	(0.02)	-0.09	(0.02)	m	m
	Norway	0.31	(0.02)	m	m	0.06	(0.02)	0.18	(0.02)	0.18	(0.02)	-0.12	(0.02)	m	m
	Poland	0.35	(0.01)	0.15	(0.02)	-0.01	(0.02)	0.18	(0.02)	0.11	(0.02)	-0.10	(0.02)	0.16	(0.02)
	Portugal	0.45	(0.01)	0.11	(0.02)	0.19	(0.02)	0.22	(0.01)	0.19	(0.01)	-0.09	(0.02)	0.15	(0.02)
	Slovak Republic	0.42	(0.02)	0.09	(0.02)	0.07	(0.02)	0.27	(0.02)	0.17	(0.02)	-0.06	(0.01)	0.11	(0.02)
	Slovenia	0.39	(0.01)	0.10	(0.02)	0.04	(0.02)	0.23	(0.02)	0.17	(0.02)	-0.08	(0.02)	0.13	(0.02)
	Spain	0.35	(0.01)	0.10	(0.02)	0.16	(0.01)	0.18	(0.01)	0.12	(0.02)	-0.03	(0.01)	0.13	(0.01)
	Sweden	0.38	(0.01)	m	m	-0.03	(0.02)	0.19	(0.02)	0.12	(0.02)	-0.11	(0.02)	m	m
	Switzerland	0.33	(0.02)	0.12	(0.02)	0.00	(0.02)	0.09	(0.02)	0.18	(0.02)	-0.12	(0.02)	0.11	(0.02)
	Turkey	0.53	(0.01)	0.11	(0.01)	0.11	(0.02)	0.36	(0.02)	0.10	(0.02)	-0.11	(0.02)	0.11	(0.01)
	United Kingdom	0.43	(0.01)	0.12	(0.01)	0.03	(0.02)	0.23	(0.01)	0.18	(0.02)	-0.07	(0.01)	0.18	(0.02)
	United States	0.44	(0.02)	0.13	(0.01)	0.00	(0.02)	0.31	(0.01)	0.24	(0.02)	-0.07	(0.02)	0.19	(0.01)
	OECD average-32	0.41	(0.00)	0.12	(0.00)	0.05	(0.00)	0.22	(0.00)	0.18	(0.00)	-0.09	(0.00)	0.14	(0.00)
	OECD average-35	0.41	(0.00)	0.12	(0.00)	0.04	(0.00)	0.21	(0.00)	0.18	(0.00)	-0.09	(0.00)	0.14	(0.00)
Partners	Brazil	0.53	(0.01)	0.11	(0.01)	0.22	(0.01)	0.35	(0.01)	0.17	(0.01)	-0.01	(0.01)	0.13	(0.01)
	B-S-J-G (China)	0.55	(0.01)	0.15	(0.01)	0.02	(0.02)	0.31	(0.01)	0.29	(0.02)	-0.07	(0.01)	0.18	(0.01)
	Bulgaria	0.52	(0.02)	0.14	(0.02)	0.14	(0.02)	0.29	(0.02)	0.12	(0.02)	-0.04	(0.02)	0.14	(0.02)
	Colombia	0.48	(0.01)	0.08	(0.01)	0.24	(0.02)	0.33	(0.01)	0.08	(0.02)	-0.05	(0.01)	0.13	(0.01)
	Costa Rica	0.45	(0.01)	0.14	(0.01)	0.15	(0.02)	0.30	(0.01)	0.09	(0.02)	-0.06	(0.01)	0.22	(0.01)
	Croatia	0.46	(0.01)	0.09	(0.02)	0.12	(0.02)	0.18	(0.02)	0.17	(0.02)	-0.08	(0.02)	0.18	(0.02)
	Cyprus*	0.54	(0.01)	0.14	(0.01)	0.04	(0.02)	0.25	(0.01)	0.24	(0.02)	m	m	0.11	(0.02)
	Dominican Republic	0.66	(0.01)	0.11	(0.02)	0.34	(0.02)	0.46	(0.02)	0.07	(0.02)	-0.03	(0.02)	0.12	(0.02)
	Hong Kong (China)	0.55	(0.02)	0.17	(0.02)	0.06	(0.02)	0.21	(0.02)	0.29	(0.01)	-0.03	(0.01)	0.22	(0.01)
	Lithuania	0.44	(0.01)	0.15	(0.01)	0.08	(0.02)	0.25	(0.02)	0.10	(0.01)	-0.08	(0.02)	0.16	(0.01)
	Macao (China)	0.44	(0.01)	0.12	(0.02)	0.04	(0.02)	0.13	(0.02)	0.22	(0.02)	-0.04	(0.02)	0.16	(0.01)
	Montenegro	0.52	(0.01)	0.12	(0.01)	0.16	(0.02)	0.32	(0.01)	0.18	(0.02)	-0.01	(0.02)	0.10	(0.01)
	Peru	0.46	(0.01)	0.11	(0.01)	0.10	(0.02)	0.31	(0.01)	0.25	(0.02)	-0.08	(0.01)	0.13	(0.01)
	Qatar	0.61	(0.01)	0.14	(0.01)	0.10	(0.01)	0.35	(0.01)	0.22	(0.01)	-0.05	(0.01)	0.12	(0.01)
	Russia	0.47	(0.02)	0.14	(0.01)	0.01	(0.02)	0.21	(0.02)	0.15	(0.02)	-0.10	(0.02)	0.17	(0.01)
	Singapore	0.50	(0.01)	m	m	0.04	(0.02)	0.19	(0.02)	0.23	(0.01)	-0.07	(0.01)	m	m
	Chinese Taipei	0.56	(0.01)	0.16	(0.01)	0.08	(0.01)	0.23	(0.01)	0.31	(0.01)	-0.06	(0.01)	0.20	(0.01)
	Thailand	0.57	(0.01)	0.11	(0.01)	0.04	(0.02)	0.38	(0.02)	0.23	(0.02)	-0.03	(0.01)	0.14	(0.02)
	Tunisia	0.48	(0.01)	0.04	(0.02)	0.09	(0.02)	0.33	(0.02)	0.22	(0.01)	-0.06	(0.02)	0.12	(0.01)
	United Arab Emirates	0.55	(0.01)	0.15	(0.01)	0.04	(0.01)	0.34	(0.01)	0.26	(0.01)	-0.09	(0.01)	0.15	(0.01)
	Uruguay	0.44	(0.01)	0.11	(0.01)	0.17	(0.01)	0.22	(0.02)	0.13	(0.02)	-0.02	(0.02)	0.14	(0.02)
	Malaysia**	0.48	(0.01)	0.13	(0.01)	0.07	(0.01)	0.35	(0.01)	0.26	(0.01)	-0.08	(0.02)	0.17	(0.01)

1. Data on life satisfaction are not available for the Flemish community of Belgium.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/2]

Table V.5.14a Index of valuing relationships and performance in collaborative problem solving

		Index of valuing relationships												Collaborative problem-solving performance, by national quarter of the index of valuing relationships											
		All students		Variability of the index		Bottom quarter		Second quarter		Third quarter		Top quarter		Bottom quarter		Second quarter		Third quarter		Top quarter		Difference (top-bottom quarter)			
Mean index	S.E.	S.D.	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Score dif.	S.E.				
OECD	Australia	0.09 (0.01)	0.96 (0.01)	-0.96 (0.01)	-0.29 (0.00)	0.16 (0.02)	1.44 (0.02)	507 (3.4)	531 (2.9)	543 (2.8)	555 (3.5)	48 (4.3)													
	Austria	0.24 (0.01)	1.11 (0.01)	-1.16 (0.02)	-0.21 (0.02)	0.67 (0.02)	1.68 (0.02)	489 (3.9)	505 (3.8)	525 (3.8)	524 (4.2)	35 (5.0)													
	Belgium	-0.06 (0.01)	0.94 (0.01)	-1.14 (0.01)	-0.35 (0.01)	0.02 (0.02)	1.22 (0.02)	474 (3.4)	510 (3.4)	518 (3.6)	523 (3.0)	49 (3.9)													
	Canada	0.11 (0.01)	1.02 (0.01)	-1.01 (0.02)	-0.29 (0.00)	0.20 (0.02)	1.53 (0.02)	518 (3.6)	536 (3.2)	547 (2.8)	551 (3.0)	33 (3.9)													
	Chile	0.08 (0.02)	1.05 (0.01)	-1.16 (0.02)	-0.35 (0.01)	0.33 (0.03)	1.50 (0.02)	430 (3.8)	457 (3.7)	471 (3.7)	475 (3.2)	46 (4.1)													
	Czech Republic	-0.20 (0.01)	0.90 (0.01)	-1.24 (0.02)	-0.43 (0.02)	-0.13 (0.02)	1.02 (0.02)	473 (4.4)	500 (3.4)	508 (2.9)	525 (3.2)	53 (4.7)													
	Denmark	0.01 (0.01)	0.91 (0.01)	-1.04 (0.02)	-0.29 (0.00)	0.13 (0.02)	1.24 (0.02)	498 (3.3)	523 (3.3)	533 (3.5)	538 (3.8)	39 (4.0)													
	Estonia	0.03 (0.02)	0.95 (0.01)	-1.06 (0.02)	-0.29 (0.00)	0.15 (0.03)	1.32 (0.03)	507 (4.6)	533 (3.8)	549 (3.6)	557 (3.8)	50 (5.1)													
	Finland	-0.08 (0.01)	0.91 (0.01)	-1.10 (0.01)	-0.36 (0.01)	-0.04 (0.02)	1.17 (0.03)	513 (3.8)	533 (3.7)	541 (3.8)	557 (4.0)	44 (5.2)													
	France	-0.07 (0.01)	1.01 (0.01)	-1.23 (0.02)	-0.40 (0.01)	0.03 (0.02)	1.33 (0.02)	468 (3.7)	496 (3.1)	513 (4.5)	517 (3.6)	49 (4.5)													
	Germany	0.15 (0.02)	1.05 (0.01)	-1.14 (0.01)	-0.32 (0.02)	0.54 (0.02)	1.54 (0.02)	507 (4.3)	524 (3.9)	553 (3.4)	549 (4.7)	42 (5.5)													
	Greece	0.03 (0.02)	0.97 (0.01)	-1.10 (0.02)	-0.30 (0.01)	0.19 (0.03)	1.34 (0.03)	434 (5.0)	464 (4.5)	468 (3.8)	476 (4.1)	41 (4.8)													
	Hungary	-0.03 (0.02)	1.01 (0.01)	-1.19 (0.02)	-0.37 (0.01)	0.09 (0.03)	1.36 (0.03)	443 (4.1)	468 (3.8)	483 (3.5)	495 (3.6)	52 (5.2)													
	Iceland	-0.09 (0.02)	1.05 (0.01)	-1.26 (0.02)	-0.46 (0.02)	0.01 (0.03)	1.37 (0.04)	486 (4.5)	492 (4.1)	506 (4.0)	522 (4.2)	37 (5.5)													
	Ireland	0.03 (0.01)	0.93 (0.01)	-1.03 (0.01)	-0.30 (0.01)	0.11 (0.02)	1.33 (0.03)	m m	m m	m m	m m	m m													
	Israel	0.24 (0.02)	1.09 (0.01)	-1.05 (0.03)	-0.28 (0.01)	0.59 (0.02)	1.70 (0.02)	455 (4.6)	474 (4.8)	485 (5.0)	477 (4.7)	22 (5.0)													
	Italy	-0.14 (0.01)	0.95 (0.01)	-1.25 (0.01)	-0.48 (0.02)	0.05 (0.02)	1.14 (0.02)	452 (4.6)	477 (3.5)	494 (3.4)	499 (3.6)	46 (5.4)													
	Japan	-0.22 (0.02)	1.06 (0.01)	-1.40 (0.02)	-0.67 (0.02)	-0.07 (0.02)	1.25 (0.03)	534 (3.8)	547 (3.5)	558 (3.5)	570 (3.8)	36 (4.4)													
	Korea	-0.02 (0.02)	0.94 (0.01)	-1.04 (0.02)	-0.30 (0.01)	-0.02 (0.02)	1.30 (0.04)	529 (3.6)	529 (3.4)	538 (3.8)	558 (3.4)	29 (4.1)													
	Latvia	-0.30 (0.02)	0.91 (0.02)	-1.34 (0.02)	-0.57 (0.02)	-0.19 (0.02)	0.90 (0.03)	461 (4.4)	480 (3.8)	493 (3.6)	508 (3.7)	47 (5.5)													
	Luxembourg	0.03 (0.01)	1.09 (0.01)	-1.27 (0.02)	-0.40 (0.01)	0.31 (0.03)	1.49 (0.02)	468 (3.1)	489 (3.0)	501 (3.3)	516 (3.0)	49 (4.8)													
	Mexico	0.16 (0.02)	1.04 (0.01)	-1.05 (0.03)	-0.29 (0.00)	0.44 (0.03)	1.56 (0.02)	413 (3.3)	432 (3.3)	440 (3.5)	449 (3.6)	35 (4.2)													
	Netherlands	-0.18 (0.01)	0.77 (0.01)	-1.01 (0.01)	-0.35 (0.01)	-0.28 (0.01)	0.92 (0.03)	502 (3.7)	520 (4.1)	523 (3.6)	540 (4.4)	39 (5.2)													
	New Zealand	0.01 (0.02)	0.97 (0.01)	-1.08 (0.02)	-0.30 (0.01)	0.08 (0.03)	1.35 (0.03)	508 (4.6)	534 (4.3)	550 (4.2)	550 (3.7)	42 (5.8)													
	Norway	0.11 (0.02)	1.02 (0.01)	-1.05 (0.03)	-0.29 (0.00)	0.27 (0.03)	1.50 (0.02)	483 (3.9)	503 (3.7)	516 (3.9)	517 (3.8)	34 (5.4)													
	Poland	-0.21 (0.02)	0.92 (0.01)	-1.25 (0.02)	-0.49 (0.02)	-0.11 (0.02)	1.03 (0.03)	m m	m m	m m	m m	m m													
	Portugal	0.37 (0.02)	0.98 (0.01)	-0.68 (0.02)	-0.19 (0.02)	0.66 (0.02)	1.71 (0.02)	482 (4.0)	493 (3.3)	512 (3.6)	511 (3.6)	30 (4.2)													
	Slovak Republic	-0.34 (0.01)	0.93 (0.01)	-1.39 (0.02)	-0.61 (0.02)	-0.28 (0.01)	0.91 (0.03)	435 (3.7)	462 (3.3)	475 (3.5)	498 (3.5)	63 (4.6)													
	Slovenia	-0.04 (0.01)	0.94 (0.01)	-1.11 (0.01)	-0.37 (0.01)	0.07 (0.03)	1.23 (0.02)	470 (3.5)	502 (4.0)	514 (2.7)	528 (3.1)	59 (4.5)													
	Spain	0.19 (0.02)	1.00 (0.01)	-0.98 (0.03)	-0.28 (0.01)	0.52 (0.02)	1.51 (0.02)	470 (3.6)	501 (3.2)	509 (3.3)	511 (3.0)	41 (4.1)													
	Sweden	0.05 (0.02)	1.05 (0.01)	-1.15 (0.02)	-0.32 (0.01)	0.16 (0.03)	1.51 (0.03)	488 (4.3)	509 (3.8)	526 (4.5)	529 (4.9)	41 (5.1)													
	Switzerland	0.19 (0.02)	1.06 (0.01)	-1.11 (0.03)	-0.28 (0.02)	0.59 (0.03)	1.58 (0.03)	m m	m m	m m	m m	m m													
	Turkey	0.00 (0.02)	1.13 (0.01)	-1.33 (0.03)	-0.44 (0.02)	0.27 (0.04)	1.50 (0.02)	404 (4.4)	420 (4.0)	434 (4.4)	435 (4.4)	30 (4.1)													
United Kingdom	-0.04 (0.02)	0.96 (0.01)	-1.13 (0.02)	-0.33 (0.01)	0.01 (0.02)	1.30 (0.03)	496 (3.8)	519 (4.0)	525 (4.4)	545 (3.7)	50 (4.5)														
United States	0.13 (0.02)	1.00 (0.01)	-0.99 (0.02)	-0.29 (0.00)	0.25 (0.04)	1.54 (0.03)	495 (5.4)	517 (4.1)	535 (5.1)	545 (4.4)	51 (5.5)														
OECD average-32	0.01 (0.00)	0.99 (0.00)	-1.13 (0.00)	-0.36 (0.00)	0.16 (0.00)	1.35 (0.00)	478 (0.7)	499 (0.7)	512 (0.7)	520 (0.7)	43 (0.8)														
OECD average-35	0.01 (0.00)	0.99 (0.00)	-1.13 (0.00)	-0.36 (0.00)	0.16 (0.00)	1.35 (0.00)	m m	m m	m m	m m	m m														
Partners	Brazil	-0.04 (0.01)	0.96 (0.01)	-1.09 (0.01)	-0.37 (0.01)	-0.01 (0.02)	1.30 (0.02)	397 (2.9)	416 (2.9)	424 (2.9)	438 (3.4)	41 (3.1)													
	B-S-J-G (China)	0.01 (0.02)	0.96 (0.01)	-1.04 (0.01)	-0.31 (0.01)	0.01 (0.02)	1.38 (0.03)	468 (5.1)	496 (4.3)	504 (5.4)	518 (5.3)	50 (5.5)													
	Bulgaria	-0.03 (0.02)	1.06 (0.01)	-1.27 (0.03)	-0.36 (0.01)	0.11 (0.03)	1.39 (0.03)	424 (4.4)	444 (4.8)	464 (4.9)	471 (4.5)	47 (4.9)													
	Colombia	0.05 (0.01)	1.02 (0.01)	-1.15 (0.01)	-0.36 (0.01)	0.28 (0.03)	1.45 (0.02)	411 (3.0)	434 (3.1)	435 (2.9)	440 (3.3)	29 (3.5)													
	Costa Rica	0.35 (0.02)	1.08 (0.01)	-0.94 (0.02)	-0.18 (0.02)	0.71 (0.02)	1.79 (0.02)	416 (3.6)	438 (3.8)	447 (3.7)	454 (3.1)	37 (3.7)													
	Croatia	0.01 (0.02)	1.01 (0.01)	-1.17 (0.02)	-0.35 (0.02)	0.16 (0.03)	1.40 (0.03)	446 (3.9)	472 (3.4)	483 (3.4)	494 (3.3)	48 (4.2)													
	Cyprus*	0.07 (0.01)	1.07 (0.01)	-1.19 (0.02)	-0.31 (0.01)	0.25 (0.03)	1.51 (0.02)	419 (3.4)	445 (2.6)	457 (3.2)	465 (3.4)	46 (4.4)													
	Dominican Republic	0.27 (0.02)	1.25 (0.02)	-1.26 (0.04)	-0.26 (0.02)	0.69 (0.03)	1.91 (0.03)	m m	m m	m m	m m	m m													
	Hong Kong (China)	-0.04 (0.02)	0.97 (0.01)	-1.09 (0.03)	-0.29 (0.00)	-0.08 (0.02)	1.29 (0.03)	532 (4.1)	537 (4.4)	548 (3.9)	548 (4.4)	15 (4.7)													
	Lithuania	0.16 (0.02)	1.18 (0.01)	-1.32 (0.02)	-0.33 (0.03)	0.63 (0.02)	1.66 (0.03)	440 (3.4)	465 (3.7)	481 (3.7)	492 (3.6)	52 (4.5)													
	Macao (China)	-0.15 (0.01)	0.88 (0.01)	-1.12 (0.01)	-0.43 (0.02)	-0.12 (0.02)	1.07 (0.02)	512 (3.4)	533 (2.9)	543 (2.8)	547 (3.3)	34 (5.3)													
	Montenegro	-0.05 (0.01)	1.02 (0.01)	-1.21 (0.01)	-0.39 (0.01)	0.08 (0.02)	1.33 (0.02)	398 (2.3)	421 (2.4)	425 (2.5)	432 (3.0)	34 (3.5)													
	Peru	-0.08 (0.01)	0.98 (0.01)	-1.21 (0.01)	-0.43 (0.02)	0.06 (0.02)	1.26 (0.02)	391 (3.3)	416 (3.3)	432 (3.8)	440 (3.5)	50 (4.1)													
	Qatar	0.12 (0.01)	1.17 (0.01)	-1.29 (0.01)	-0.34 (0.01)	0.45 (0.02)	1.65 (0.02)	m m	m m	m m	m m	m m													
	Russia	-0.25 (0.02)	0.93 (0.01)	-1.26 (0.02)	-0.54 (0.02)	-0.24 (0.02)	1.03 (0.03)	454 (4.8)	473 (4.6)	476 (4.2)	499 (4.0)	46 (5.5)													
	Singapore	0.32 (0.01)	1.01 (0.01)	-0.79 (0.02)	-0.26 (0.02)	0.61 (0.02)	1.70 (0.03)	549 (3.4)	556 (3.6)	573 (2.9)	569 (2.8)	20 (4.9)													
	Chinese Taipei	0.22 (0.02)	1.00 (0.01)	-0.83 (0.02)	-0.29 (0.00)	0.36 (0.03)	1.63 (0.02)	517 (3.4)	512 (3.5)	538 (3.3)	539 (3.3)	22 (3.5)													
	Thailand	0.10 (0.02)	0.85 (0.01)	-0.75 (0.02)	-0.29 (0.00)	0.16 (0.03)	1.25 (0.03)	421 (4.4)	433 (4.2)	444 (4.2)	450 (4.5)	29 (4.6)													
Tunisia	0.12 (0.02)	1.05 (0.01)	-1.15 (0.02)	-0.35 (0.01)	0.45 (0.03)	1.53 (0.02)	369 (2.9)	385 (2.9)	391 (2.8)	390 (3.0)	21 (3.5)														
United Arab Emirates	0.32 (0.01)	1.10 (0.01)	-0.99 (0.02)	-0.20 (0.01)	0.68 (0.01)	1.78 (0.02)	423 (3.1)	434 (3.5)	451 (3.4)	443 (3.6)	20 (3.8)														
Uruguay	0.11 (0.02)	1.02 (0.01)	-1.08 (0.02)	-0.32 (0.01)	0.35 (0.03)	1.51 (0.03)	429 (3.0)	455 (3.5)	452 (3.3)	451 (4.0)	22 (4.9)														
Malaysia**	-0.02 (0.02)	0.91 (0.01)	-1.08 (0.01)	-0.38 (0.01)	0.14 (0.03)	1.22 (0.03)	416 (4.0)	440 (3.8)	447 (4.0)	458 (4.4)	42 (4.8)														

[Part 2/2]

Table V.5.14a Index of valuing relationships and performance in collaborative problem solving

		Before accounting for students' and schools' socio-economic profile ¹								After accounting for students' and schools' socio-economic profile								Increased likelihood of students in the bottom quarter of the index of valuing relationships scoring below Level 2 on the collaborative problem-solving scale (below 440 score points)		Increased likelihood of students in the top quarter of the index of valuing relationships scoring at Level 4 on the collaborative problem-solving scale (at or above 640 score points)	
		Change in collaborative problem-solving performance per unit change in the index of valuing relationships				Change in relative collaborative problem-solving performance ² per unit change in the index of valuing relationships				Change in collaborative problem-solving performance per unit change in the index of valuing relationships				Change in relative collaborative problem-solving performance per unit change in the index of valuing relationships							
		Explained variance in student performance (r-squared × 100)		Explained variance in student performance (r-squared × 100)		Explained variance in student performance (r-squared × 100)		Explained variance in student performance (r-squared × 100)													
		Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.				
OECD	Australia	18	(1.6)	2.5	(0.5)	4	(1.4)	0.4	(0.3)	14	(1.6)	11.2	(1.0)	4	(1.5)	0.5	(0.3)	1.6	(0.1)	1.4	(0.1)
	Austria	13	(1.6)	2.2	(0.5)	5	(1.3)	0.8	(0.4)	11	(1.5)	21.8	(1.8)	5	(1.3)	1.1	(0.5)	1.5	(0.1)	1.5	(0.2)
	Belgium	18	(1.3)	3.2	(0.5)	5	(1.2)	0.7	(0.3)	14	(1.3)	25.4	(1.8)	5	(1.2)	0.8	(0.3)	1.7	(0.1)	1.3	(0.2)
	Canada	12	(1.4)	1.4	(0.3)	2	(1.1)	0.1	(0.1)	9	(1.3)	7.8	(0.8)	2	(1.1)	0.1	(0.1)	1.5	(0.1)	1.2	(0.1)
	Chile	15	(1.5)	3.7	(0.7)	3	(1.2)	0.4	(0.3)	11	(1.5)	19.8	(1.6)	3	(1.2)	0.6	(0.3)	1.5	(0.1)	1.9	(0.7)
	Czech Republic	19	(1.8)	3.8	(0.6)	7	(1.4)	1.0	(0.4)	14	(1.8)	21.8	(1.9)	7	(1.4)	1.2	(0.4)	1.8	(0.1)	1.6	(0.2)
	Denmark	16	(1.7)	2.6	(0.5)	4	(1.3)	0.4	(0.2)	13	(1.7)	8.8	(1.1)	4	(1.3)	0.6	(0.4)	1.7	(0.1)	1.3	(0.2)
	Estonia	19	(1.8)	4.0	(0.8)	6	(1.6)	1.2	(0.6)	16	(1.8)	11.3	(1.5)	6	(1.6)	1.5	(0.6)	2.0	(0.2)	1.6	(0.2)
	Finland	16	(2.0)	2.0	(0.5)	2	(1.3)	0.1	(0.1)	13	(1.9)	6.9	(1.0)	2	(1.3)	0.5	(0.3)	1.6	(0.1)	1.4	(0.2)
	France	19	(1.5)	3.8	(0.6)	3	(1.2)	0.3	(0.2)	11	(1.4)	25.1	(1.8)	3	(1.2)	0.3	(0.2)	1.6	(0.1)	1.5	(0.3)
	Germany	16	(2.0)	2.6	(0.7)	4	(1.4)	0.5	(0.4)	11	(1.9)	20.6	(1.8)	4	(1.6)	0.7	(0.4)	1.7	(0.1)	1.4	(0.1)
	Greece	15	(1.7)	2.4	(0.5)	4	(1.0)	0.5	(0.2)	11	(1.5)	18.2	(2.1)	4	(1.0)	0.5	(0.2)	1.4	(0.1)	1.4	(0.4)
	Hungary	18	(1.8)	3.6	(0.7)	2	(1.1)	0.2	(0.2)	9	(1.7)	35.8	(1.8)	2	(1.2)	0.8	(0.3)	1.5	(0.1)	1.8	(0.4)
	Iceland	15	(1.7)	2.7	(0.6)	0	(1.2)	0.0	(0.1)	13	(1.7)	4.0	(0.7)	1	(1.2)	0.9	(0.4)	1.2	(0.1)	1.7	(0.4)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	7	(1.7)	0.6	(0.3)	1	(1.2)	0.1	(0.1)	7	(1.5)	22.3	(2.9)	1	(1.3)	1.1	(0.6)	1.1	(0.1)	1.2	(0.2)
	Italy	18	(2.0)	3.0	(0.6)	6	(1.5)	0.8	(0.4)	14	(1.9)	19.3	(1.8)	6	(1.5)	1.1	(0.5)	1.5	(0.1)	1.7	(0.3)
	Japan	12	(1.5)	2.4	(0.6)	7	(1.4)	1.6	(0.7)	10	(1.4)	15.4	(1.7)	7	(1.4)	2.1	(0.8)	1.7	(0.2)	1.5	(0.2)
	Korea	12	(1.7)	1.8	(0.5)	4	(1.2)	0.5	(0.3)	8	(1.5)	11.5	(1.8)	4	(1.2)	1.3	(0.5)	1.3	(0.1)	1.5	(0.2)
	Latvia	20	(1.9)	3.9	(0.7)	2	(1.4)	0.1	(0.2)	16	(1.9)	10.9	(1.5)	2	(1.4)	0.2	(0.2)	1.5	(0.1)	2.1	(0.4)
	Luxembourg	16	(1.6)	3.0	(0.6)	3	(1.3)	0.4	(0.3)	12	(1.5)	23.8	(1.5)	3	(1.2)	1.1	(0.4)	1.5	(0.1)	1.7	(0.3)
	Mexico	13	(1.5)	2.9	(0.6)	3	(1.3)	0.5	(0.3)	9	(1.4)	18.8	(2.0)	3	(1.3)	1.8	(0.7)	1.3	(0.0)	1.5	(0.8)
	Netherlands	17	(2.3)	1.8	(0.5)	7	(1.5)	0.9	(0.4)	15	(1.9)	23.1	(2.5)	7	(1.5)	1.0	(0.4)	1.5	(0.1)	1.5	(0.2)
	New Zealand	17	(2.2)	2.5	(0.6)	6	(1.6)	0.9	(0.4)	14	(2.1)	11.3	(1.4)	7	(1.6)	1.3	(0.6)	1.6	(0.1)	1.4	(0.1)
	Norway	13	(1.9)	2.0	(0.6)	2	(1.5)	0.2	(0.3)	11	(1.9)	5.7	(0.9)	3	(1.5)	0.3	(0.3)	1.5	(0.1)	1.2	(0.2)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	12	(1.5)	1.6	(0.4)	6	(1.2)	1.1	(0.4)	9	(1.5)	14.2	(1.8)	6	(1.2)	1.5	(0.4)	1.5	(0.1)	1.4	(0.3)
	Slovak Republic	23	(1.6)	5.6	(0.7)	5	(1.1)	0.7	(0.3)	16	(1.4)	22.3	(1.7)	4	(1.2)	1.2	(0.4)	1.5	(0.1)	2.5	(0.5)
	Slovenia	24	(1.7)	5.7	(0.8)	6	(1.3)	1.0	(0.4)	17	(1.6)	26.8	(1.5)	6	(1.3)	1.2	(0.4)	1.9	(0.1)	1.9	(0.3)
	Spain	14	(1.5)	2.7	(0.6)	4	(1.2)	0.6	(0.3)	12	(1.5)	9.4	(1.1)	5	(1.2)	0.8	(0.4)	1.5	(0.1)	1.4	(0.2)
	Sweden	16	(1.7)	2.9	(0.6)	4	(1.3)	0.6	(0.3)	13	(1.7)	12.6	(1.7)	4	(1.4)	0.9	(0.5)	1.6	(0.1)	1.4	(0.2)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
Turkey	10	(1.3)	2.1	(0.6)	1	(0.9)	0.1	(0.1)	8	(1.2)	22.2	(3.2)	1	(0.9)	0.8	(0.5)	1.2	(0.0)	1.2	(2.1)	
United Kingdom	18	(1.6)	2.9	(0.5)	6	(1.6)	0.9	(0.4)	16	(1.5)	12.4	(1.5)	6	(1.6)	1.0	(0.4)	1.6	(0.1)	1.5	(0.2)	
United States	17	(1.8)	2.6	(0.5)	4	(1.2)	0.6	(0.3)	14	(1.7)	11.7	(1.3)	5	(1.2)	0.8	(0.4)	1.7	(0.1)	1.3	(0.1)	
OECD average-32	16	(0.3)	2.8	(0.1)	4	(0.2)	0.6	(0.1)	12	(0.3)	16.6	(0.3)	4	(0.2)	0.9	(0.1)	1.5	(0.0)	1.5	(0.1)	
OECD average-35	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
Partners	Brazil	15	(1.1)	2.9	(0.4)	3	(1.0)	0.3	(0.2)	11	(0.9)	18.3	(1.7)	2	(1.0)	0.8	(0.4)	1.2	(0.0)	2.5	(0.8)
	B-S-J-G (China)	19	(1.6)	3.4	(0.5)	4	(1.2)	0.4	(0.3)	9	(1.5)	29.0	(2.8)	3	(1.3)	0.9	(0.4)	1.6	(0.1)	1.8	(0.3)
	Bulgaria	17	(1.5)	3.3	(0.6)	4	(0.9)	0.7	(0.3)	10	(1.3)	33.6	(2.5)	4	(0.9)	1.4	(0.4)	1.4	(0.1)	1.9	(0.5)
	Colombia	9	(1.3)	1.3	(0.3)	0	(0.9)	0.0	(0.0)	6	(1.2)	22.8	(2.2)	-1	(0.9)	2.7	(0.9)	1.2	(0.0)	1.8	(0.7)
	Costa Rica	13	(1.2)	3.0	(0.5)	6	(0.9)	1.5	(0.4)	11	(1.1)	16.7	(1.9)	6	(0.9)	1.6	(0.4)	1.3	(0.0)	2.6	(1.3)
	Croatia	17	(1.4)	3.8	(0.6)	6	(1.2)	1.2	(0.4)	13	(1.4)	20.3	(1.8)	6	(1.2)	1.3	(0.5)	1.6	(0.1)	1.6	(0.4)
	Cyprus*	15	(1.5)	3.2	(0.6)	3	(1.0)	0.3	(0.2)	15	(1.4)	11.8	(1.1)	3	(1.0)	0.6	(0.3)	1.4	(0.1)	1.5	(0.6)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	5	(1.6)	0.2	(0.2)	2	(1.1)	0.1	(0.1)	3	(1.7)	7.4	(1.6)	2	(1.1)	0.3	(0.2)	1.2	(0.2)	1.2	(0.1)
	Lithuania	17	(1.3)	4.9	(0.8)	3	(1.1)	0.4	(0.3)	13	(1.4)	20.0	(1.8)	2	(1.2)	0.7	(0.3)	1.6	(0.1)	2.0	(0.4)
	Macao (China)	13	(2.1)	1.7	(0.5)	3	(1.7)	0.3	(0.3)	13	(2.1)	2.6	(0.6)	3	(1.7)	0.8	(0.4)	1.6	(0.2)	1.1	(0.2)
	Montenegro	11	(1.2)	2.0	(0.4)	1	(1.1)	0.1	(0.1)	10	(1.1)	15.0	(1.1)	1	(1.1)	0.4	(0.3)	1.2	(0.0)	3.3	(4.7)
	Peru	19	(1.4)	5.0	(0.7)	4	(1.2)	0.6	(0.4)	11	(1.2)	31.6	(2.0)	3	(1.3)	2.3	(0.5)	1.4	(0.0)	2.1	(1.2)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	16	(2.0)	2.6	(0.7)	5	(1.7)	0.6	(0.4)	14	(2.0)	13.7	(1.6)	5	(1.7)	3.1	(1.0)	1.4	(0.1)	1.9	(0.3)
	Singapore	8	(1.5)	0.7	(0.3)	1	(1.1)	0.0	(0.1)	6	(1.3)	16.7	(1.2)	1	(1.1)	0.3	(0.2)	1.5	(0.1)	1.1	(0.1)
	Chinese Taipei	11	(1.3)	1.5	(0.4)	4	(1.0)	0.4	(0.3)	8	(1.2)	17.7	(2.2)	4	(1.1)	0.6	(0.4)	1.7	(0.1)	1.3	(0.1)
	Thailand	13	(2.2)	1.8	(0.6)	4	(1.5)	0.5	(0.3)	10	(2.0)	19.0	(2.8)	3	(1.5)	1.9	(0.9)	1.2	(0.1)	1.9	(0.7)
	Tunisia	8	(1.1)	1.9	(0.5)	2	(0.9)	0.2	(0.2)	7	(1.0)	18.6	(2.9)	2	(0.9)	2.3	(0.8)	1.1	(0.0)	m	m
	United Arab Emirates	8	(1.2)	0.8	(0.3)	1	(1.0)	0.1	(0.1)	9	(1.2)	15.5	(1.7)	1	(1.0)	1.2	(0.5)	1.2	(0.0)	1.2	(0.2)
Uruguay	6	(1.7)	0.4	(0.3)	0	(1.2)	0.0	(0.1)	3	(1.6)	19.5	(1.8)	0	(1.2)	0.3	(0.3)	1.2	(0.1)	1.4	(0.5)	
Malaysia**	17	(1.9)	3.7	(0.8)	4	(1.5)	0.7	(0.5)	14	(1.7)	18.2	(2.4)	4	(1.5)	1.2	(0.7)	1.3	(0.0)	2.3	(1.1)	

1. Socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Relative performance refers to the residual performance, attributable to purely "collaborative problem-solving" competencies, after accounting for performance in science, reading and mathematics in a regression performed across students at the national level.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616807>

[Part 1/2]

Table V.5.14b Index of valuing teamwork and performance in collaborative problem solving

		Index of valuing teamwork										Collaborative problem-solving performance, by national quarter of the index of valuing teamwork											
		All students		Variability of the index		Bottom quarter		Second quarter		Third quarter		Top quarter		Bottom quarter		Second quarter		Third quarter		Top quarter		Difference (top - bottom quarter)	
		Mean index	S.E.	S.D.	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean index	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Score dif.	S.E.
OECD	Australia	0.01 (0.01)		0.98 (0.01)		-1.19 (0.01)		-0.27 (0.01)		0.17 (0.01)		1.30 (0.02)		555 (2.9)		533 (3.2)		521 (2.9)		527 (3.7)		-28 (4.0)	
	Austria	0.19 (0.01)		1.10 (0.01)		-1.22 (0.02)		-0.20 (0.02)		0.59 (0.02)		1.59 (0.02)		531 (3.9)		513 (3.4)		508 (3.9)		492 (3.9)		-39 (5.7)	
	Belgium	-0.11 (0.01)		0.99 (0.01)		-1.28 (0.02)		-0.47 (0.02)		0.12 (0.01)		1.21 (0.02)		521 (3.3)		518 (3.5)		499 (3.2)		487 (3.6)		-34 (3.9)	
	Canada	0.00 (0.01)		1.05 (0.01)		-1.27 (0.01)		-0.31 (0.01)		0.18 (0.01)		1.41 (0.02)		568 (3.2)		538 (3.4)		524 (2.9)		521 (3.0)		-47 (3.9)	
	Chile	0.21 (0.02)		0.97 (0.01)		-0.98 (0.02)		-0.09 (0.01)		0.42 (0.02)		1.48 (0.02)		464 (3.9)		450 (3.9)		459 (3.3)		461 (3.9)		-3 (4.1)	
	Czech Republic	0.00 (0.02)		0.95 (0.01)		-1.15 (0.02)		-0.28 (0.02)		0.21 (0.01)		1.24 (0.02)		508 (3.7)		501 (3.0)		493 (3.3)		504 (3.2)		-4 (3.5)	
	Denmark	-0.12 (0.01)		0.95 (0.01)		-1.24 (0.02)		-0.50 (0.02)		0.11 (0.01)		1.15 (0.02)		538 (3.7)		533 (3.6)		510 (3.4)		512 (3.8)		-26 (4.7)	
	Estonia	-0.10 (0.02)		0.96 (0.01)		-1.26 (0.02)		-0.41 (0.02)		0.13 (0.01)		1.16 (0.03)		547 (4.1)		534 (3.9)		529 (3.9)		537 (3.7)		-10 (4.9)	
	Finland	-0.22 (0.02)		0.93 (0.01)		-1.31 (0.02)		-0.55 (0.02)		-0.01 (0.01)		1.00 (0.03)		552 (4.1)		545 (4.0)		523 (3.8)		526 (3.7)		-26 (5.3)	
	France	0.11 (0.02)		1.08 (0.01)		-1.21 (0.02)		-0.22 (0.02)		0.31 (0.02)		1.56 (0.02)		510 (4.5)		498 (3.4)		497 (3.6)		488 (4.1)		-22 (5.2)	
	Germany	0.14 (0.02)		1.02 (0.01)		-1.14 (0.02)		-0.22 (0.02)		0.51 (0.02)		1.44 (0.02)		545 (3.8)		527 (4.8)		536 (3.7)		525 (4.2)		-19 (4.7)	
	Greece	0.18 (0.01)		1.01 (0.01)		-1.06 (0.02)		-0.11 (0.01)		0.40 (0.02)		1.49 (0.02)		473 (5.0)		456 (4.6)		459 (4.6)		455 (3.7)		-18 (5.1)	
	Hungary	-0.02 (0.02)		1.01 (0.01)		-1.27 (0.02)		-0.27 (0.02)		0.18 (0.01)		1.29 (0.02)		489 (3.6)		470 (4.0)		463 (4.1)		468 (3.9)		-21 (4.9)	
	Iceland	-0.20 (0.02)		0.99 (0.01)		-1.40 (0.03)		-0.52 (0.02)		0.03 (0.02)		1.08 (0.03)		519 (4.5)		508 (3.6)		486 (4.0)		492 (3.8)		-27 (5.3)	
	Ireland	0.04 (0.01)		1.01 (0.01)		-1.20 (0.02)		-0.25 (0.02)		0.24 (0.02)		1.38 (0.02)		m m		m m		m m		m m		m m	
	Israel	-0.03 (0.02)		1.01 (0.01)		-1.27 (0.02)		-0.38 (0.02)		0.22 (0.01)		1.30 (0.03)		491 (4.7)		475 (4.8)		464 (5.2)		459 (4.9)		-32 (6.0)	
	Italy	0.02 (0.02)		0.98 (0.01)		-1.19 (0.02)		-0.25 (0.02)		0.24 (0.01)		1.29 (0.03)		490 (3.6)		481 (4.0)		479 (3.3)		470 (3.2)		-20 (4.3)	
	Japan	-0.03 (0.02)		1.01 (0.01)		-1.24 (0.02)		-0.41 (0.02)		0.25 (0.02)		1.29 (0.02)		554 (3.6)		553 (3.5)		549 (3.9)		552 (4.0)		-2 (4.8)	
	Korea	0.14 (0.01)		0.91 (0.01)		-0.93 (0.02)		-0.04 (0.01)		0.17 (0.01)		1.37 (0.03)		543 (3.8)		532 (3.4)		532 (3.6)		547 (3.0)		4 (4.2)	
	Latvia	-0.14 (0.02)		1.00 (0.01)		-1.37 (0.02)		-0.44 (0.02)		0.11 (0.01)		1.15 (0.02)		502 (4.2)		494 (4.3)		475 (3.4)		473 (3.2)		-29 (5.3)	
	Luxembourg	0.00 (0.01)		1.11 (0.01)		-1.39 (0.02)		-0.31 (0.02)		0.28 (0.02)		1.43 (0.02)		509 (3.3)		495 (3.3)		488 (2.9)		481 (3.0)		-28 (5.0)	
	Mexico	0.23 (0.01)		0.95 (0.01)		-0.94 (0.02)		-0.07 (0.01)		0.44 (0.02)		1.48 (0.02)		436 (3.4)		430 (3.3)		432 (3.0)		438 (3.6)		2 (3.3)	
	Netherlands	-0.26 (0.01)		0.80 (0.01)		-1.22 (0.02)		-0.50 (0.01)		-0.02 (0.01)		0.70 (0.03)		539 (3.9)		523 (3.7)		511 (3.9)		512 (3.9)		-27 (4.6)	
	New Zealand	0.07 (0.02)		0.99 (0.01)		-1.15 (0.02)		-0.20 (0.02)		0.23 (0.02)		1.39 (0.03)		557 (4.3)		535 (4.0)		530 (4.2)		519 (4.2)		-38 (5.3)	
	Norway	-0.23 (0.02)		1.06 (0.01)		-1.49 (0.02)		-0.62 (0.02)		0.02 (0.02)		1.18 (0.03)		521 (3.4)		517 (3.7)		492 (3.8)		489 (3.9)		-31 (4.7)	
	Poland	-0.06 (0.02)		0.99 (0.01)		-1.28 (0.03)		-0.30 (0.02)		0.14 (0.02)		1.22 (0.03)		m m		m m		m m		m m		m m	
	Portugal	0.32 (0.02)		0.99 (0.01)		-0.90 (0.02)		-0.02 (0.01)		0.53 (0.03)		1.65 (0.02)		514 (3.6)		490 (3.5)		497 (4.0)		495 (3.7)		-19 (4.0)	
	Slovak Republic	-0.12 (0.02)		0.95 (0.01)		-1.28 (0.02)		-0.36 (0.02)		0.06 (0.01)		1.10 (0.03)		467 (3.6)		464 (3.5)		464 (3.5)		475 (3.3)		8 (3.9)	
	Slovenia	0.02 (0.01)		0.95 (0.01)		-1.15 (0.02)		-0.23 (0.02)		0.22 (0.01)		1.25 (0.02)		515 (3.7)		497 (3.6)		498 (3.2)		504 (3.5)		-11 (5.4)	
	Spain	0.15 (0.02)		1.00 (0.01)		-1.08 (0.02)		-0.20 (0.02)		0.41 (0.02)		1.47 (0.02)		505 (3.1)		499 (3.5)		492 (3.1)		494 (3.5)		-12 (4.3)	
	Sweden	-0.19 (0.02)		0.99 (0.01)		-1.39 (0.02)		-0.53 (0.01)		0.05 (0.02)		1.11 (0.03)		524 (4.7)		525 (4.3)		503 (5.0)		501 (4.1)		-23 (5.0)	
	Switzerland	0.22 (0.02)		0.99 (0.01)		-1.04 (0.02)		-0.12 (0.02)		0.54 (0.03)		1.49 (0.03)		m m		m m		m m		m m		m m	
	Turkey	-0.04 (0.01)		0.94 (0.01)		-1.19 (0.02)		-0.37 (0.01)		0.19 (0.02)		1.19 (0.02)		416 (4.4)		418 (4.0)		423 (4.3)		436 (4.2)		20 (4.4)	
United Kingdom	-0.04 (0.01)		0.98 (0.01)		-1.24 (0.02)		-0.29 (0.02)		0.13 (0.01)		1.23 (0.02)		542 (3.9)		521 (3.4)		509 (3.6)		514 (4.2)		-28 (4.4)		
United States	0.06 (0.02)		1.03 (0.01)		-1.21 (0.02)		-0.21 (0.02)		0.22 (0.02)		1.43 (0.02)		550 (5.1)		509 (4.7)		514 (5.1)		519 (4.2)		-31 (5.3)		
OECD average-32	0.00 (0.00)		0.99 (0.00)		-1.21 (0.00)		-0.31 (0.00)		0.22 (0.00)		1.29 (0.00)		515 (0.7)		503 (0.7)		496 (0.7)		496 (0.7)		-19 (0.8)		
OECD average-35	0.01 (0.00)		0.99 (0.00)		-1.20 (0.00)		-0.30 (0.00)		0.23 (0.00)		1.30 (0.00)		m m		m m		m m		m m		m m		
Partners	Brazil	0.20 (0.01)		0.90 (0.01)		-0.86 (0.01)		-0.08 (0.01)		0.33 (0.01)		1.42 (0.01)		422 (3.7)		409 (3.0)		418 (2.8)		428 (2.7)		6 (3.6)	
	B-S-J-G (China)	0.39 (0.01)		0.93 (0.01)		-0.61 (0.02)		0.03 c		0.45 (0.03)		1.70 (0.02)		498 (5.1)		493 (5.0)		492 (5.1)		503 (4.2)		6 (4.1)	
	Bulgaria	-0.07 (0.02)		1.03 (0.01)		-1.34 (0.03)		-0.32 (0.03)		0.11 (0.01)		1.27 (0.03)		456 (4.8)		452 (4.6)		443 (4.7)		453 (4.4)		-3 (4.7)	
	Colombia	0.23 (0.01)		0.92 (0.01)		-0.89 (0.02)		-0.09 (0.01)		0.47 (0.02)		1.44 (0.02)		432 (3.5)		431 (3.3)		429 (3.0)		429 (3.3)		-3 (4.0)	
	Costa Rica	0.34 (0.02)		1.03 (0.01)		-0.96 (0.02)		-0.02 (0.01)		0.64 (0.02)		1.69 (0.02)		448 (4.2)		439 (3.9)		438 (3.4)		430 (3.4)		-19 (4.4)	
	Croatia	0.21 (0.02)		0.98 (0.01)		-0.98 (0.02)		-0.07 (0.01)		0.38 (0.02)		1.53 (0.02)		482 (3.4)		469 (4.1)		474 (3.1)		470 (3.4)		-11 (4.0)	
	Cyprus*	0.10 (0.01)		1.02 (0.01)		-1.15 (0.02)		-0.19 (0.01)		0.29 (0.02)		1.43 (0.02)		455 (3.7)		442 (2.8)		445 (3.3)		445 (3.5)		-10 (4.6)	
	Dominican Republic	0.51 (0.02)		1.10 (0.02)		-0.88 (0.03)		0.14 (0.03)		0.87 (0.02)		1.90 (0.02)		m m		m m		m m		m m		m m	
	Hong Kong (China)	0.05 (0.02)		1.01 (0.01)		-1.20 (0.02)		-0.12 (0.02)		0.14 (0.02)		1.39 (0.04)		549 (4.2)		539 (4.2)		538 (4.1)		538 (4.4)		-11 (4.7)	
	Lithuania	0.33 (0.02)		1.16 (0.01)		-1.21 (0.03)		0.00 (0.02)		0.76 (0.02)		1.77 (0.02)		478 (4.4)		466 (3.5)		473 (3.4)		462 (3.6)		-16 (5.5)	
	Macao (China)	0.01 (0.01)		0.88 (0.01)		-1.04 (0.02)		-0.24 (0.01)		0.12 (0.01)		1.17 (0.02)		538 (3.3)		526 (3.0)		532 (3.2)		539 (3.7)		0 (5.0)	
	Montenegro	-0.09 (0.01)		0.97 (0.01)		-1.25 (0.02)		-0.40 (0.01)		0.11 (0.01)		1.19 (0.02)		428 (2.7)		416 (2.5)		414 (2.8)		418 (2.7)		-10 (3.0)	
	Peru	0.09 (0.01)		0.88 (0.01)		-0.99 (0.02)		-0.17 (0.01)		0.26 (0.01)		1.25 (0.02)		409 (3.6)		413 (3.3)		427 (3.4)		430 (3.1)		21 (3.9)	
	Qatar	0.23 (0.01)		1.03 (0.01)		-1.05 (0.02)		-0.08 (0.01)		0.51 (0.01)		1.55 (0.01)		m m		m m		m m		m m		m m	
	Russia	-0.18 (0.02)		0.91 (0.01)		-1.26 (0.03)		-0.43 (0.03)		0.03 (0.00)		0.95 (0.03)		486 (4.2)		475 (5.0)		467 (4.6)		474 (4.2)		-12 (4.5)	
	Singapore	0.27 (0.01)		1.03 (0.01)		-0.98 (0.02)		-0.05 (0.01)		0.45 (0.02)		1.67 (0.02)		584 (2.5)		554 (3.1)		557 (2.9)		551 (3.0)		-33 (4.4)	
	Chinese Taipei	0.37 (0.02)		1.00 (0.01)		-0.81 (0.03)		0.03 c		0.50 (0.03)		1.75 (0.02)		543 (3.6)		511 (3.4)		529 (3.4)		523 (3.3)		-20 (3.6)	
	Thailand	0.37 (0.02)		0.81 (0.01)		-0.51 (0.02)		0.03 c		0.46 (0.03)		1.49 (0.03)		430 (4.8)		427 (4.4)		442 (4.2)		449 (3.9)		19 (4.5)	
	Tunisia	0.43 (0.02)		1.02 (0.01)		-0.85 (0.03)		0.07 (0.01)		0.75 (0.02)	</												

A corrigendum has been issued for this page. See: <http://www.oecd.org/about/publishing/Corrigenda-PISA2015-VolumeV.pdf>

[Part 2/2]

Table V.5.14b Index of valuing teamwork and performance in collaborative problem solving

		Before accounting for students' and schools' socio-economic profile ¹								After accounting for students' and schools' socio-economic profile								Increased likelihood of students in the bottom quarter of the index of valuing teamwork scoring below Level 2 on the collaborative problem-solving scale (below 440 score points)		Increased likelihood of students in the top quarter of the index of valuing teamwork scoring at Level 4 on the collaborative problem-solving scale (at or above 640 score points)	
		Change in collaborative problem-solving performance per unit change in the index of valuing teamwork				Explained variance in student performance (r-squared × 100)				Change in relative collaborative problem-solving performance per unit change in the index of valuing teamwork				Explained variance in relative student performance (r-squared × 100)							
		Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Relative risk	S.E.	Relative risk	S.E.
OECD	Australia	-11	(1.6)	1.0	(0.3)	2	(1.4)	0.1	(0.1)	-10	(1.6)	10.3	(1.0)	2	(1.4)	0.2	(0.1)	0.7	(0.0)	0.8	(0.1)
	Austria	-12	(1.7)	2.0	(0.5)	2	(1.3)	0.1	(0.2)	-7	(1.6)	20.9	(1.9)	2	(1.3)	0.3	(0.2)	0.7	(0.1)	0.7	(0.1)
	Belgium	-14	(1.3)	2.0	(0.4)	-2	(0.9)	0.1	(0.1)	-9	(1.1)	24.6	(1.9)	-1	(1.0)	0.2	(0.1)	0.7	(0.0)	0.6	(0.1)
	Canada	-15	(1.3)	2.4	(0.4)	-3	(1.3)	0.3	(0.2)	-16	(1.3)	9.5	(0.8)	-3	(1.3)	0.3	(0.2)	0.6	(0.0)	0.6	(0.1)
	Chile	0	(1.5)	0.0	(0.0)	2	(1.0)	0.1	(0.1)	0	(1.5)	17.8	(1.7)	2	(1.0)	0.3	(0.2)	0.9	(0.0)	1.2	(0.5)
	Czech Republic	-2	(1.4)	0.1	(0.1)	4	(1.2)	0.4	(0.3)	0	(1.4)	19.7	(1.9)	4	(1.3)	0.6	(0.3)	0.9	(0.1)	0.9	(0.1)
	Denmark	-11	(1.7)	1.4	(0.4)	0	(1.2)	0.0	(0.1)	-9	(1.7)	8.1	(1.2)	0	(1.2)	0.2	(0.2)	0.6	(0.1)	0.7	(0.1)
	Estonia	-4	(1.9)	0.2	(0.2)	3	(1.5)	0.4	(0.4)	-3	(2.0)	8.4	(1.3)	3	(1.5)	0.7	(0.4)	0.9	(0.1)	0.9	(0.1)
	Finland	-11	(2.0)	1.0	(0.4)	2	(1.5)	0.2	(0.2)	-11	(2.0)	6.5	(1.0)	2	(1.5)	0.5	(0.3)	0.7	(0.1)	0.7	(0.1)
	France	-7	(1.5)	0.6	(0.3)	2	(1.3)	0.2	(0.2)	-3	(1.4)	23.9	(1.8)	2	(1.3)	0.2	(0.2)	0.8	(0.1)	0.7	(0.2)
	Germany	-7	(1.6)	0.5	(0.2)	1	(1.1)	0.0	(0.0)	-5	(1.4)	19.5	(1.9)	0	(1.1)	0.2	(0.1)	0.8	(0.1)	0.8	(0.1)
	Greece	-5	(1.7)	0.3	(0.2)	1	(1.0)	0.1	(0.1)	-3	(1.5)	16.9	(2.2)	1	(1.0)	0.1	(0.1)	0.8	(0.0)	0.6	(0.2)
	Hungary	-7	(1.7)	0.5	(0.2)	1	(1.2)	0.0	(0.1)	-5	(1.5)	35.1	(1.9)	1	(1.2)	0.7	(0.3)	0.8	(0.0)	0.8	(0.2)
	Iceland	-11	(1.8)	1.3	(0.4)	-1	(1.2)	0.0	(0.1)	-11	(1.8)	3.3	(0.7)	0	(1.2)	0.9	(0.4)	0.8	(0.1)	0.7	(0.2)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	-10	(2.1)	1.0	(0.4)	-1	(1.4)	0.0	(0.1)	-6	(1.9)	22.0	(2.8)	0	(1.5)	1.1	(0.6)	0.8	(0.0)	0.7	(0.2)
	Italy	-7	(1.5)	0.5	(0.2)	1	(1.3)	0.0	(0.1)	-3	(1.5)	17.5	(1.7)	1	(1.4)	0.4	(0.3)	0.8	(0.0)	0.7	(0.2)
	Japan	1	(1.7)	0.0	(0.1)	3	(1.6)	0.3	(0.3)	1	(1.6)	13.8	(1.7)	3	(1.6)	0.7	(0.4)	0.9	(0.1)	1.0	(0.1)
	Korea	2	(1.7)	0.1	(0.1)	4	(1.3)	0.5	(0.4)	0	(1.6)	10.7	(1.9)	4	(1.4)	1.2	(0.6)	1.0	(0.1)	1.1	(0.1)
	Latvia	-10	(1.7)	1.2	(0.4)	-1	(1.2)	0.1	(0.1)	-8	(1.6)	9.1	(1.3)	-1	(1.2)	0.1	(0.1)	0.7	(0.1)	0.5	(0.2)
	Luxembourg	-8	(1.5)	0.8	(0.3)	0	(1.2)	0.0	(0.1)	-6	(1.5)	22.5	(1.3)	-1	(1.2)	0.7	(0.3)	0.8	(0.1)	0.7	(0.2)
	Mexico	1	(1.4)	0.0	(0.0)	2	(1.5)	0.2	(0.2)	2	(1.4)	17.4	(1.9)	2	(1.5)	1.7	(0.7)	1.0	(0.0)	1.0	(0.6)
	Netherlands	-11	(2.0)	0.9	(0.3)	-1	(1.3)	0.0	(0.0)	-7	(1.9)	22.0	(2.5)	-1	(1.3)	0.1	(0.1)	0.7	(0.1)	0.8	(0.1)
	New Zealand	-12	(2.1)	1.4	(0.5)	1	(1.6)	0.0	(0.1)	-11	(1.8)	10.7	(1.5)	0	(1.6)	0.3	(0.3)	0.7	(0.1)	0.6	(0.1)
	Norway	-13	(1.3)	2.1	(0.5)	1	(1.0)	0.1	(0.1)	-12	(1.3)	5.9	(0.8)	1	(1.0)	0.2	(0.1)	0.8	(0.1)	0.6	(0.1)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	-6	(1.4)	0.5	(0.2)	3	(1.0)	0.2	(0.2)	-4	(1.4)	13.4	(1.8)	3	(1.0)	0.5	(0.3)	0.8	(0.1)	0.9	(0.2)
	Slovak Republic	3	(1.6)	0.1	(0.1)	1	(1.3)	0.0	(0.1)	1	(1.6)	19.8	(1.8)	1	(1.3)	0.8	(0.4)	1.0	(0.0)	1.2	(0.3)
	Slovenia	-4	(1.9)	0.1	(0.1)	4	(1.6)	0.5	(0.3)	0	(1.7)	23.8	(1.5)	5	(1.6)	0.9	(0.5)	0.8	(0.1)	0.9	(0.2)
	Spain	-4	(1.5)	0.2	(0.2)	3	(1.5)	0.4	(0.3)	-3	(1.5)	7.7	(1.0)	3	(1.5)	0.5	(0.3)	0.9	(0.1)	0.7	(0.1)
	Sweden	-10	(1.7)	1.1	(0.4)	3	(1.3)	0.2	(0.2)	-9	(1.7)	11.7	(1.8)	3	(1.3)	0.5	(0.3)	0.8	(0.1)	0.7	(0.1)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
Turkey	8	(1.5)	1.0	(0.4)	1	(1.2)	0.1	(0.1)	6	(1.5)	21.3	(3.2)	1	(1.2)	0.8	(0.5)	1.1	(0.0)	2.5	(5.2)	
United Kingdom	-9	(1.5)	0.8	(0.3)	1	(1.2)	0.1	(0.1)	-9	(1.4)	10.9	(1.5)	1	(1.2)	0.1	(0.1)	0.8	(0.1)	0.8	(0.1)	
United States	-10	(1.7)	0.9	(0.3)	3	(1.0)	0.3	(0.2)	-9	(1.5)	10.8	(1.4)	3	(1.0)	0.5	(0.3)	0.7	(0.1)	0.7	(0.1)	
OECD average-32	-7	(0.3)	0.8	(0.1)	1	(0.2)	0.2	(0.0)	-5	(0.3)	15.5	(0.3)	1	(0.2)	0.5	(0.1)	0.8	(0.0)	0.8	(0.2)	
OECD average-35	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
Partners	Brazil	5	(1.3)	0.3	(0.1)	3	(1.2)	0.2	(0.2)	5	(1.2)	17.1	(1.7)	3	(1.2)	0.8	(0.4)	1.0	(0.1)	1.0	(0.3)
	B-S-J-G (China)	2	(1.6)	0.0	(0.1)	2	(1.1)	0.1	(0.1)	2	(1.4)	28.1	(2.8)	2	(1.1)	0.7	(0.4)	1.1	(0.1)	1.0	(0.1)
	Bulgaria	-2	(1.6)	0.1	(0.1)	1	(0.9)	0.0	(0.1)	-1	(1.3)	32.4	(2.6)	1	(0.9)	1.0	(0.4)	0.9	(0.0)	0.9	(0.2)
	Colombia	-2	(1.4)	0.0	(0.1)	-2	(1.2)	0.2	(0.2)	0	(1.4)	22.2	(2.2)	-2	(1.2)	2.8	(0.9)	1.0	(0.0)	0.7	(0.4)
	Costa Rica	-6	(1.4)	0.6	(0.3)	2	(1.2)	0.2	(0.2)	-3	(1.4)	14.5	(1.9)	2	(1.3)	0.4	(0.3)	0.9	(0.0)	0.7	(0.5)
	Croatia	-4	(1.5)	0.2	(0.1)	4	(1.1)	0.5	(0.3)	-1	(1.4)	17.9	(2.0)	4	(1.1)	0.6	(0.3)	0.9	(0.0)	0.9	(0.2)
	Cyprus*	-3	(1.7)	0.1	(0.1)	0	(1.5)	0.0	(0.1)	-1	(1.6)	8.9	(0.9)	0	(1.5)	0.3	(0.3)	0.9	(0.0)	1.0	(0.4)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	-4	(1.7)	0.2	(0.2)	1	(1.1)	0.0	(0.1)	-4	(1.7)	7.5	(1.6)	0	(1.1)	0.2	(0.2)	0.8	(0.1)	0.9	(0.1)
	Lithuania	-4	(1.7)	0.3	(0.2)	1	(1.2)	0.1	(0.1)	-2	(1.6)	17.3	(2.0)	1	(1.2)	0.5	(0.3)	0.9	(0.1)	0.5	(0.2)
	Macao (China)	1	(1.8)	0.0	(0.0)	3	(1.6)	0.3	(0.3)	1	(1.8)	0.9	(0.3)	3	(1.6)	0.9	(0.4)	1.0	(0.1)	1.0	(0.1)
	Montenegro	-3	(1.2)	0.1	(0.1)	0	(1.0)	0.0	(0.0)	0	(1.2)	13.4	(1.0)	1	(1.0)	0.4	(0.3)	0.9	(0.0)	0.7	(1.1)
	Peru	9	(1.5)	1.0	(0.3)	3	(1.2)	0.3	(0.2)	6	(1.3)	30.2	(2.1)	2	(1.3)	2.2	(0.5)	1.1	(0.0)	1.2	(0.7)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	-3	(1.7)	0.1	(0.1)	2	(1.3)	0.1	(0.1)	-1	(1.7)	11.7	(1.7)	3	(1.3)	2.8	(1.0)	0.9	(0.0)	0.9	(0.2)
	Singapore	-10	(1.5)	1.2	(0.3)	1	(1.1)	0.0	(0.1)	-6	(1.3)	16.8	(1.3)	0	(1.1)	0.3	(0.2)	0.7	(0.1)	0.8	(0.1)
	Chinese Taipei	-5	(1.3)	0.3	(0.1)	-1	(1.2)	0.0	(0.1)	-4	(1.3)	17.1	(2.1)	-1	(1.2)	0.2	(0.2)	1.2	(0.1)	0.7	(0.1)
	Thailand	9	(2.0)	0.7	(0.3)	3	(1.4)	0.3	(0.3)	7	(1.9)	18.4	(2.9)	3	(1.4)	1.8	(0.9)	1.2	(0.0)	1.2	(0.5)
	Tunisia	-4	(1.1)	0.5	(0.3)	-2	(1.0)	0.1	(0.2)	-1	(1.1)	17.0	(2.9)	-1	(1.0)	2.2	(0.8)	0.9	(0.0)	m	m
	United Arab Emirates	-3	(1.4)	0.1	(0.1)	-1	(1.2)	0.1	(0.1)	0	(1.4)	14.4	(1.7)	0	(1.2)	1.1	(0.4)	0.9	(0.0)	0.5	(0.2)
	Uruguay	-12	(1.7)	1.9	(0.5)	0	(1.4)	0.0	(0.1)	-10	(1.7)	20.7	(1.9)	0	(1.4)	0.3	(0.3)	0.8	(0.0)	0.5	(0.2)
	Malaysia**	7	(1.7)	0.6	(0.3)	4	(1.2)	0.6	(0.3)	8	(1.5)	16.6	(2.5)	4	(1.2)	1.2	(0.6)	1.1	(0.0)	1.1	(0.7)

1. Socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Relative performance refers to the residual performance, attributable to purely "collaborative problem-solving" competencies, after accounting for performance in science, reading and mathematics in a regression performed across students at the national level.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616807>

[Part 1/3]

Table V.6.1a Days engaged in moderate physical activity and performance in collaborative problem solving*Results based on students' self-reports*

		Days engaged in moderate physical activity ¹ in an average week				Performance in collaborative problem solving															
						Days of moderate physical activity per week															
						All students															
		Average number of days		Variability		0		1		2		3		4		5		6		7	
Days	S.E.	S.D.	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.		
OECD	Australia	4.6	(0.03)	2.3	(0.01)	532	(3.9)	539	(3.9)	535	(4.4)	539	(4.2)	532	(4.4)	542	(4.5)	552	(6.7)	528	(3.3)
	Austria	5.2	(0.04)	2.6	(0.01)	497	(5.6)	502	(5.0)	504	(5.6)	516	(5.6)	513	(6.2)	513	(5.7)	533	(7.6)	520	(3.2)
	Belgium	4.6	(0.03)	2.5	(0.01)	482	(4.6)	487	(4.0)	505	(4.2)	507	(4.5)	510	(4.5)	528	(3.8)	538	(6.2)	521	(3.2)
	Canada	5.3	(0.02)	2.3	(0.01)	530	(4.8)	546	(5.9)	541	(4.1)	539	(3.5)	525	(4.8)	540	(4.6)	552	(5.1)	540	(3.1)
	Chile	4.4	(0.03)	2.4	(0.01)	470	(4.3)	459	(4.0)	458	(4.7)	449	(4.6)	457	(4.8)	468	(4.9)	471	(7.1)	457	(4.2)
	Czech Republic	5.2	(0.04)	2.4	(0.02)	466	(6.9)	490	(4.5)	493	(4.2)	503	(3.8)	499	(5.2)	508	(4.1)	523	(7.0)	515	(3.2)
	Denmark	5.6	(0.04)	2.3	(0.02)	502	(6.4)	514	(7.4)	525	(6.5)	524	(5.4)	520	(5.9)	534	(3.9)	535	(5.1)	524	(3.8)
	Estonia	4.7	(0.04)	2.3	(0.01)	535	(5.2)	525	(5.8)	540	(4.8)	540	(4.5)	537	(5.3)	549	(4.8)	550	(7.6)	527	(3.4)
	Finland	5.2	(0.04)	2.2	(0.01)	522	(6.4)	524	(6.1)	536	(5.3)	539	(5.2)	547	(5.0)	543	(4.4)	554	(4.7)	531	(4.5)
	France	4.6	(0.04)	2.6	(0.01)	485	(5.0)	490	(4.1)	496	(5.1)	494	(4.5)	498	(5.8)	513	(6.7)	524	(7.4)	514	(3.6)
	Germany	5.6	(0.04)	2.4	(0.02)	516	(7.4)	525	(6.2)	528	(6.3)	528	(5.6)	521	(6.5)	550	(4.9)	560	(8.3)	543	(4.0)
	Greece	4.3	(0.04)	2.4	(0.02)	462	(5.1)	450	(4.7)	463	(4.5)	454	(5.5)	456	(7.0)	475	(6.8)	470	(7.1)	467	(4.8)
	Hungary	5.2	(0.04)	2.4	(0.01)	460	(5.4)	449	(5.7)	464	(5.5)	466	(4.9)	464	(7.3)	479	(4.7)	497	(7.7)	487	(3.9)
	Iceland	5.2	(0.04)	2.4	(0.02)	504	(7.9)	503	(6.5)	511	(5.7)	498	(5.8)	501	(5.9)	500	(5.2)	511	(5.8)	499	(4.1)
	Ireland	4.5	(0.04)	2.3	(0.02)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	4.2	(0.05)	2.5	(0.01)	480	(5.4)	458	(5.3)	472	(6.2)	458	(5.8)	467	(5.6)	476	(6.5)	493	(6.7)	486	(4.9)
	Italy	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Japan	4.7	(0.06)	2.8	(0.01)	563	(3.1)	538	(6.1)	547	(6.6)	546	(5.5)	559	(8.6)	558	(4.4)	568	(3.8)	541	(3.8)
	Korea	4.3	(0.05)	2.6	(0.02)	552	(3.6)	532	(4.2)	542	(4.2)	534	(4.3)	537	(6.2)	540	(3.9)	541	(8.3)	529	(4.5)
	Latvia	5.2	(0.04)	2.4	(0.02)	472	(6.4)	462	(5.8)	484	(4.6)	483	(4.4)	492	(5.3)	491	(4.2)	488	(6.4)	496	(3.8)
	Luxembourg	4.4	(0.04)	2.4	(0.01)	489	(4.8)	486	(4.5)	492	(4.2)	499	(4.0)	486	(4.7)	500	(5.8)	510	(9.1)	506	(3.6)
	Mexico	4.3	(0.03)	2.3	(0.02)	434	(4.5)	418	(3.4)	422	(3.9)	439	(3.6)	443	(5.9)	445	(4.5)	445	(5.7)	447	(3.7)
	Netherlands	5.6	(0.04)	2.2	(0.02)	498	(7.2)	496	(8.3)	499	(5.7)	493	(5.4)	521	(7.9)	534	(4.1)	542	(4.7)	529	(3.6)
	New Zealand	4.8	(0.04)	2.4	(0.02)	523	(6.6)	542	(6.2)	534	(5.4)	534	(6.0)	526	(6.4)	540	(5.0)	564	(6.7)	540	(5.2)
	Norway	5.6	(0.04)	2.3	(0.02)	496	(5.7)	475	(7.0)	494	(5.5)	493	(5.7)	516	(5.7)	514	(3.9)	534	(5.6)	512	(3.5)
	Poland	5.6	(0.04)	2.4	(0.02)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	4.4	(0.04)	2.5	(0.02)	498	(4.9)	491	(5.3)	492	(4.6)	498	(4.3)	501	(5.1)	517	(5.2)	522	(10.4)	503	(3.5)
	Slovak Republic	5.1	(0.04)	2.4	(0.02)	436	(5.9)	446	(5.8)	459	(5.2)	468	(4.3)	477	(5.3)	477	(4.9)	479	(6.9)	479	(3.3)
	Slovenia	4.9	(0.04)	2.3	(0.02)	496	(5.8)	488	(4.3)	497	(4.3)	502	(4.8)	511	(5.6)	519	(5.2)	520	(7.8)	507	(3.7)
	Spain	4.2	(0.03)	2.4	(0.01)	484	(4.2)	496	(4.3)	502	(3.9)	499	(4.0)	500	(5.4)	504	(4.4)	503	(6.2)	505	(3.4)
	Sweden	5.2	(0.05)	2.4	(0.02)	484	(6.2)	509	(6.3)	503	(5.3)	513	(6.3)	521	(6.2)	522	(4.6)	530	(7.4)	525	(4.5)
	Switzerland	5.2	(0.04)	2.5	(0.02)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	4.0	(0.05)	2.5	(0.02)	416	(4.3)	405	(4.4)	416	(4.8)	423	(5.4)	421	(8.0)	443	(5.7)	450	(10.3)	445	(4.1)
	United Kingdom	4.7	(0.04)	2.5	(0.01)	506	(4.9)	508	(6.1)	528	(5.5)	534	(5.0)	516	(6.6)	534	(4.6)	549	(7.2)	525	(4.2)
	United States	5.2	(0.04)	2.4	(0.02)	514	(6.5)	512	(8.7)	533	(6.8)	527	(6.7)	524	(7.5)	525	(4.9)	535	(6.8)	524	(4.1)
	OECD average-32	4.9	(0.01)	2.4	(0.00)	494	(1.0)	492	(1.0)	500	(0.9)	501	(0.9)	503	(1.1)	512	(0.9)	521	(1.3)	509	(0.7)
	OECD average-35	4.9	(0.01)	2.4	(0.00)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
Partners	Brazil	3.7	(0.03)	2.4	(0.01)	434	(3.4)	408	(4.0)	408	(3.7)	425	(3.7)	423	(5.1)	428	(4.5)	421	(8.1)	435	(3.7)
	B-S-J-G (China)	4.2	(0.05)	2.5	(0.02)	513	(5.4)	481	(6.7)	490	(6.0)	484	(6.5)	505	(7.5)	486	(4.5)	533	(9.3)	508	(5.3)
	Bulgaria	4.5	(0.04)	2.4	(0.02)	429	(5.1)	424	(5.7)	435	(5.4)	440	(6.2)	477	(6.0)	465	(6.3)	482	(6.8)	478	(4.3)
	Colombia	3.6	(0.04)	2.4	(0.02)	422	(3.2)	417	(3.5)	426	(4.2)	427	(4.2)	443	(6.6)	435	(5.9)	455	(7.0)	462	(4.0)
	Costa Rica	3.9	(0.04)	2.3	(0.02)	444	(4.9)	438	(4.3)	433	(4.4)	440	(5.4)	438	(5.6)	438	(4.8)	455	(8.1)	440	(4.2)
	Croatia	4.7	(0.04)	2.5	(0.01)	460	(4.1)	458	(4.3)	464	(4.1)	469	(4.6)	474	(6.6)	486	(4.7)	494	(7.7)	490	(3.7)
	Cyprus*	4.3	(0.03)	2.3	(0.01)	442	(4.8)	442	(3.9)	441	(4.1)	446	(4.9)	451	(5.5)	453	(5.3)	469	(7.0)	454	(3.8)
	Dominican Republic	4.2	(0.04)	2.4	(0.02)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	4.4	(0.05)	2.6	(0.01)	556	(4.5)	538	(4.1)	536	(5.2)	538	(4.7)	528	(8.1)	548	(4.9)	544	(7.1)	537	(4.1)
	Lithuania	5.1	(0.04)	2.4	(0.01)	448	(5.8)	452	(4.9)	460	(5.4)	468	(4.2)	462	(6.0)	480	(5.1)	495	(6.5)	484	(3.3)
	Macao (China)	4.2	(0.04)	2.6	(0.01)	543	(3.6)	524	(3.7)	530	(3.7)	531	(6.2)	537	(7.8)	537	(4.8)	552	(6.9)	534	(3.3)
	Montenegro	5.1	(0.04)	2.3	(0.01)	410	(5.8)	406	(4.8)	407	(4.0)	423	(3.0)	416	(4.2)	425	(4.0)	439	(6.9)	432	(3.0)
	Peru	4.2	(0.04)	2.3	(0.02)	417	(5.5)	401	(3.6)	413	(3.9)	431	(4.2)	428	(6.1)	432	(4.5)	450	(8.1)	443	(4.3)
	Qatar	3.7	(0.02)	2.4	(0.01)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	5.2	(0.04)	2.3	(0.02)	473	(7.1)	465	(7.0)	466	(6.2)	465	(5.1)	468	(6.3)	486	(7.5)	485	(7.0)	488	(4.5)
	Singapore	4.5	(0.03)	2.6	(0.01)	574	(3.9)	546	(3.8)	543	(3.6)	553	(4.7)	557	(6.4)	568	(4.2)	578	(8.3)	575	(2.7)
	Chinese Taipei	4.7	(0.03)	2.6	(0.01)	531	(3.8)	523	(4.8)	526	(4.1)	523	(6.6)	540	(5.6)	526	(3.6)	544	(7.8)	524	(3.1)
	Thailand	4.8	(0.04)	2.3	(0.01)	439	(7.0)	417	(4.3)	428	(4.4)	440	(5.0)	435	(5.5)	438	(4.8)	462	(10.9)	453	(4.1)
	Tunisia	3.5	(0.04)	2.2	(0.02)	395	(3.0)	382	(3.1)	374	(3.4)	379	(3.3)	369	(4.6)	387	(6.8)	379	(6.2)	397	(3.4)
	United Arab Emirates	3.5	(0.03)	2.4	(0.01)	432	(3.1)	423	(4.4)	438	(4.4)	436	(5.0)	445	(5.3)	449	(5.4)	473	(11.1)	460	(4.4)
	Uruguay	4.3	(0.04)	2.4	(0.01)	445	(4.2)	434	(4.8)	443	(4.5)	455	(5.0)	448	(5.6)	461	(5.0)	444	(7.2)	459	(4.4)
	Malaysia**	5.1	(0.05)	2.4	(0.01)	426	(6.1)	421	(5.4)	429	(4.5)	436	(4.5)	432	(6.4)	437	(4.6)	442	(9.1)	461	(3.9)

1. Examples of moderate physical activity include walking, climbing stairs and riding a bike to school. One day of moderate physical activity consists of at least 60 minutes of such activities.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 2/3]

Table V.6.1a Days engaged in moderate physical activity and performance in collaborative problem solving*Results based on students' self-reports*

		Performance in collaborative problem solving															
		Days of moderate physical activity ¹ per week															
		Boys															
		0		1		2		3		4		5		6		7	
		Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.
OECD	Australia	515	(5.9)	516	(5.9)	508	(6.1)	519	(6.0)	515	(6.5)	523	(5.4)	526	(8.0)	514	(3.9)
	Austria	485	(7.1)	493	(6.8)	487	(7.6)	503	(6.8)	497	(9.2)	506	(6.9)	530	(9.3)	509	(4.6)
	Belgium	475	(5.8)	470	(5.6)	487	(6.3)	491	(6.0)	494	(6.2)	517	(5.0)	522	(7.6)	512	(4.6)
	Canada	517	(7.3)	529	(8.3)	519	(6.0)	516	(5.1)	502	(5.8)	522	(5.1)	534	(6.3)	523	(3.9)
	Chile	472	(6.0)	453	(6.3)	451	(6.1)	440	(5.8)	449	(6.8)	465	(5.9)	468	(9.2)	448	(4.7)
	Czech Republic	452	(8.9)	481	(5.7)	482	(6.9)	492	(6.0)	481	(7.5)	497	(5.5)	509	(9.8)	506	(4.1)
	Denmark	496	(7.3)	495	(9.5)	519	(8.3)	512	(7.7)	509	(8.7)	526	(5.1)	524	(6.9)	515	(4.5)
	Estonia	525	(6.5)	516	(8.1)	524	(6.2)	528	(6.2)	523	(7.3)	540	(6.0)	532	(10.6)	513	(5.0)
	Finland	506	(8.2)	496	(7.6)	512	(6.9)	515	(7.3)	520	(7.5)	523	(5.4)	531	(7.1)	511	(5.2)
	France	478	(6.3)	472	(6.5)	483	(7.0)	481	(6.4)	483	(8.4)	503	(9.1)	501	(9.0)	501	(5.0)
	Germany	501	(10.1)	516	(8.7)	517	(8.8)	511	(8.0)	494	(9.2)	538	(6.3)	537	(10.3)	531	(4.6)
	Greece	448	(7.1)	436	(5.9)	449	(7.1)	437	(6.6)	438	(8.7)	455	(8.6)	463	(9.5)	455	(5.9)
	Hungary	457	(7.4)	437	(7.5)	452	(6.8)	452	(6.8)	446	(10.2)	465	(6.8)	480	(10.9)	472	(5.4)
	Iceland	498	(11.7)	493	(10.1)	503	(7.3)	484	(10.2)	490	(9.5)	490	(7.3)	501	(9.0)	481	(5.2)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	478	(9.6)	450	(7.0)	464	(8.3)	446	(7.7)	457	(6.8)	458	(8.8)	473	(8.9)	473	(6.5)
	Italy	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Japan	551	(5.1)	528	(7.5)	546	(6.6)	526	(7.8)	546	(11.1)	547	(6.4)	555	(5.8)	528	(4.7)
	Korea	526	(6.5)	511	(6.6)	528	(5.4)	521	(5.8)	517	(8.7)	529	(4.9)	533	(9.8)	521	(5.3)
	Latvia	459	(8.1)	449	(7.1)	468	(6.8)	460	(6.3)	468	(8.1)	471	(6.0)	471	(9.1)	475	(5.0)
	Luxembourg	484	(6.9)	478	(6.4)	478	(5.9)	482	(6.5)	469	(6.4)	492	(7.6)	484	(11.3)	492	(5.3)
	Mexico	429	(6.5)	412	(4.5)	412	(5.5)	431	(5.2)	430	(7.4)	442	(5.5)	445	(7.3)	442	(4.7)
	Netherlands	492	(9.0)	477	(9.6)	481	(7.9)	472	(7.9)	485	(11.4)	525	(4.9)	527	(6.4)	519	(5.3)
	New Zealand	509	(9.0)	520	(10.1)	511	(7.0)	506	(9.8)	500	(8.9)	524	(7.3)	548	(7.8)	522	(6.0)
	Norway	483	(7.8)	461	(9.3)	479	(7.6)	468	(8.2)	503	(9.1)	506	(5.3)	520	(7.0)	499	(4.2)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	493	(7.4)	480	(6.9)	479	(6.4)	483	(5.8)	487	(6.5)	506	(7.7)	519	(13.1)	498	(4.4)
	Slovak Republic	437	(6.8)	424	(7.3)	443	(5.8)	454	(5.8)	467	(7.9)	463	(6.3)	465	(9.5)	463	(4.3)
	Slovenia	479	(8.8)	468	(6.2)	481	(6.6)	480	(6.2)	492	(7.8)	502	(6.0)	503	(11.0)	492	(5.0)
	Spain	477	(5.5)	483	(5.6)	487	(5.1)	487	(5.9)	488	(7.5)	492	(6.1)	497	(8.6)	496	(4.4)
	Sweden	475	(7.9)	488	(8.7)	484	(6.8)	497	(7.5)	496	(8.2)	503	(6.8)	510	(10.5)	504	(6.0)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	402	(5.4)	389	(5.7)	404	(6.4)	414	(6.5)	409	(10.5)	433	(7.1)	437	(14.9)	437	(5.2)
	United Kingdom	504	(7.3)	489	(7.7)	506	(7.4)	511	(6.6)	492	(7.8)	514	(6.4)	530	(9.4)	514	(5.0)
	United States	506	(10.0)	504	(12.1)	519	(9.6)	514	(9.2)	508	(10.6)	509	(6.2)	524	(7.5)	514	(5.2)
	OECD average-32	484	(1.4)	478	(1.4)	486	(1.2)	485	(1.3)	486	(1.5)	500	(1.2)	506	(1.7)	496	(0.9)
	OECD average-35	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
Partners	Brazil	428	(5.0)	399	(4.6)	397	(5.1)	414	(4.9)	416	(6.7)	417	(5.6)	419	(9.8)	431	(4.2)
	B-S-J-G (China)	490	(5.7)	465	(7.2)	479	(6.8)	475	(8.3)	496	(9.2)	483	(5.0)	530	(12.3)	503	(5.7)
	Bulgaria	430	(7.9)	420	(7.1)	424	(6.3)	418	(7.4)	452	(8.2)	449	(9.0)	457	(9.7)	460	(5.7)
	Colombia	417	(4.5)	411	(4.6)	419	(5.4)	422	(5.2)	434	(7.9)	433	(6.9)	454	(8.3)	460	(5.8)
	Costa Rica	440	(7.4)	434	(5.3)	426	(4.7)	437	(6.8)	436	(7.1)	438	(5.9)	457	(12.0)	437	(5.6)
	Croatia	450	(6.2)	446	(5.7)	447	(5.4)	452	(7.1)	457	(8.7)	466	(6.1)	481	(10.6)	478	(4.4)
	Cyprus*	424	(6.4)	420	(6.4)	422	(5.5)	422	(6.3)	433	(6.4)	433	(6.7)	453	(9.6)	436	(4.9)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	534	(5.6)	520	(6.2)	516	(6.4)	517	(6.3)	512	(9.9)	535	(6.5)	527	(11.0)	522	(5.6)
	Lithuania	438	(7.5)	437	(6.9)	439	(6.7)	453	(6.0)	446	(7.7)	467	(5.8)	489	(8.7)	474	(4.2)
	Macao (China)	522	(5.7)	501	(5.4)	510	(5.4)	510	(7.2)	517	(10.2)	520	(6.7)	538	(10.2)	519	(4.3)
	Montenegro	398	(9.4)	391	(6.1)	392	(4.6)	408	(5.0)	403	(5.4)	415	(5.6)	426	(8.0)	422	(3.6)
	Peru	413	(7.5)	394	(4.4)	405	(4.7)	428	(5.8)	420	(7.8)	426	(6.0)	455	(10.7)	440	(4.8)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	467	(9.2)	454	(10.3)	455	(7.5)	453	(5.4)	449	(8.4)	471	(7.1)	470	(8.2)	476	(5.7)
	Singapore	559	(6.7)	530	(6.1)	531	(5.2)	545	(6.2)	545	(9.9)	557	(6.2)	576	(11.7)	571	(3.3)
	Chinese Taipei	513	(6.1)	499	(6.6)	509	(5.5)	508	(8.0)	528	(8.2)	516	(4.9)	532	(10.0)	514	(4.1)
	Thailand	413	(9.9)	402	(6.2)	410	(6.6)	424	(6.1)	416	(7.2)	411	(6.3)	443	(16.1)	431	(4.9)
	Tunisia	387	(4.6)	373	(4.2)	369	(4.1)	376	(4.1)	363	(6.1)	387	(7.6)	371	(7.8)	393	(4.3)
	United Arab Emirates	413	(3.9)	399	(5.2)	417	(5.2)	417	(6.5)	424	(7.2)	434	(7.4)	453	(12.3)	445	(6.2)
	Uruguay	438	(6.7)	430	(8.2)	433	(6.3)	445	(7.5)	432	(7.4)	447	(6.1)	439	(8.9)	454	(5.6)
	Malaysia**	411	(7.9)	408	(6.1)	415	(5.3)	423	(5.5)	423	(8.5)	430	(6.6)	439	(10.7)	456	(4.1)

1. Examples of moderate physical activity include walking, climbing stairs and riding a bike to school. One day of moderate physical activity consists of at least 60 minutes of such activities.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 3/3]

Table V.6.1a Days engaged in moderate physical activity and performance in collaborative problem solving*Results based on students' self-reports*

		Performance in collaborative problem solving															
		Days of moderate physical activity ¹ per week															
		Girls															
		0		1		2		3		4		5		6		7	
		Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.
OECD	Australia	545	(5.6)	557	(4.8)	556	(4.9)	556	(5.0)	549	(5.5)	561	(5.6)	579	(8.6)	552	(4.5)
	Austria	511	(8.5)	509	(6.6)	518	(7.6)	527	(7.6)	528	(8.4)	521	(7.9)	536	(11.1)	532	(4.1)
	Belgium	488	(5.5)	501	(5.1)	520	(5.6)	524	(6.0)	529	(6.6)	540	(5.2)	556	(9.4)	531	(4.3)
	Canada	541	(6.2)	557	(6.5)	557	(4.9)	557	(4.3)	547	(5.6)	558	(5.8)	574	(7.3)	564	(3.9)
	Chile	469	(5.9)	463	(4.6)	465	(5.5)	458	(5.6)	466	(6.4)	472	(7.3)	478	(11.3)	468	(5.7)
	Czech Republic	488	(9.6)	503	(7.0)	504	(5.4)	514	(4.3)	516	(6.1)	519	(5.9)	535	(9.8)	524	(4.3)
	Denmark	511	(10.3)	529	(8.3)	529	(7.7)	532	(6.3)	530	(7.0)	543	(5.4)	547	(7.5)	535	(4.8)
	Estonia	546	(7.4)	535	(6.3)	557	(6.4)	551	(6.0)	549	(6.6)	558	(7.4)	569	(9.2)	541	(4.6)
	Finland	550	(10.5)	553	(8.7)	561	(6.7)	560	(6.3)	571	(6.0)	564	(6.5)	576	(6.5)	555	(5.3)
	France	491	(6.7)	505	(5.1)	507	(6.6)	509	(7.4)	516	(7.8)	526	(8.1)	543	(9.9)	526	(4.6)
	Germany	536	(10.4)	532	(7.8)	537	(7.1)	542	(7.3)	544	(8.0)	563	(5.9)	583	(10.8)	554	(4.7)
	Greece	475	(5.9)	463	(6.7)	475	(4.8)	472	(6.3)	476	(9.4)	499	(8.3)	479	(10.6)	482	(5.5)
	Hungary	464	(8.1)	460	(8.8)	474	(7.7)	480	(7.1)	478	(10.2)	493	(6.3)	515	(9.2)	502	(4.1)
	Iceland	510	(9.4)	513	(8.0)	517	(8.1)	508	(6.8)	510	(6.8)	508	(6.8)	519	(7.3)	519	(5.5)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	481	(6.1)	464	(7.0)	478	(7.3)	471	(8.0)	481	(9.2)	502	(7.2)	520	(12.1)	507	(7.2)
	Italy	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Japan	572	(3.4)	546	(8.1)	548	(10.0)	563	(6.4)	573	(10.3)	567	(4.4)	581	(5.6)	563	(4.0)
	Korea	566	(4.0)	549	(5.3)	556	(5.8)	553	(6.3)	559	(8.4)	553	(5.7)	554	(11.2)	546	(6.3)
	Latvia	492	(9.2)	478	(9.4)	501	(6.4)	504	(6.2)	514	(6.9)	511	(5.8)	502	(8.9)	515	(4.7)
	Luxembourg	493	(6.0)	493	(5.2)	503	(5.8)	515	(5.5)	505	(6.4)	511	(7.9)	545	(12.6)	523	(4.8)
	Mexico	437	(4.9)	424	(4.4)	433	(4.2)	447	(4.6)	458	(7.5)	448	(5.6)	446	(8.9)	454	(4.5)
	Netherlands	505	(9.5)	512	(10.6)	517	(7.6)	515	(6.6)	549	(7.9)	544	(4.8)	558	(6.8)	538	(4.0)
	New Zealand	537	(8.7)	558	(6.7)	553	(7.3)	558	(6.8)	551	(7.7)	557	(6.7)	585	(10.1)	566	(7.0)
	Norway	516	(8.8)	491	(8.7)	510	(7.2)	512	(6.2)	525	(7.1)	522	(5.0)	544	(7.6)	525	(5.0)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	501	(5.7)	500	(6.5)	503	(4.9)	514	(5.2)	516	(8.8)	528	(5.4)	526	(11.4)	510	(4.9)
	Slovak Republic	435	(9.5)	466	(6.9)	475	(7.0)	482	(6.2)	487	(6.3)	490	(6.8)	492	(8.9)	497	(4.4)
	Slovenia	517	(8.7)	508	(6.3)	510	(5.8)	521	(6.4)	531	(7.3)	538	(8.0)	538	(9.1)	526	(4.5)
	Spain	492	(4.9)	507	(5.3)	513	(4.8)	509	(4.8)	511	(5.9)	516	(5.2)	511	(9.2)	517	(5.8)
	Sweden	499	(8.8)	529	(8.1)	522	(6.7)	528	(8.3)	543	(7.0)	541	(5.7)	545	(8.9)	545	(4.7)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	428	(5.5)	422	(5.2)	429	(5.4)	435	(7.6)	435	(9.2)	451	(7.6)	466	(14.2)	453	(4.9)
	United Kingdom	509	(5.7)	523	(6.8)	547	(6.8)	558	(7.2)	544	(8.4)	554	(6.0)	574	(9.4)	538	(5.0)
	United States	520	(7.4)	518	(11.2)	541	(7.6)	535	(8.2)	539	(8.8)	541	(6.6)	549	(11.0)	540	(5.6)
	OECD average-32	504	(1.4)	505	(1.3)	513	(1.2)	516	(1.2)	520	(1.4)	526	(1.2)	536	(1.7)	524	(0.9)
	OECD average-35	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
Partners	Brazil	437	(3.7)	416	(4.7)	417	(4.3)	436	(4.7)	430	(6.1)	438	(5.3)	424	(10.6)	439	(5.1)
	B-S-J-G (China)	536	(6.5)	500	(7.6)	501	(7.1)	493	(7.7)	519	(9.7)	490	(6.0)	537	(12.7)	515	(6.5)
	Bulgaria	428	(5.8)	429	(7.4)	449	(6.8)	462	(6.3)	502	(7.3)	483	(7.6)	505	(8.6)	499	(5.4)
	Colombia	425	(3.7)	422	(4.5)	432	(5.2)	433	(5.9)	453	(9.1)	437	(6.7)	456	(10.4)	464	(4.9)
	Costa Rica	447	(4.8)	442	(5.5)	440	(5.8)	443	(6.9)	442	(7.3)	439	(6.0)	452	(10.1)	444	(5.2)
	Croatia	467	(5.7)	468	(6.3)	478	(4.9)	483	(5.4)	493	(8.0)	504	(6.0)	512	(9.1)	504	(4.4)
	Cyprus*	459	(6.1)	461	(4.9)	457	(4.9)	467	(5.3)	467	(7.2)	475	(7.4)	487	(9.3)	477	(5.2)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	571	(5.6)	555	(4.7)	553	(6.2)	557	(6.3)	547	(11.9)	560	(6.6)	561	(9.5)	559	(4.9)
	Lithuania	462	(7.9)	467	(6.9)	480	(6.0)	480	(5.4)	479	(8.2)	493	(6.4)	501	(7.8)	494	(4.1)
	Macao (China)	558	(5.0)	545	(4.1)	549	(5.1)	554	(8.3)	561	(10.2)	556	(6.2)	566	(8.5)	553	(4.4)
	Montenegro	420	(7.2)	419	(6.3)	421	(5.4)	435	(4.3)	427	(5.9)	434	(5.0)	455	(8.8)	444	(4.1)
	Peru	422	(6.9)	408	(4.5)	423	(4.8)	433	(5.0)	435	(7.2)	440	(5.6)	444	(9.1)	448	(5.2)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	480	(9.4)	474	(7.8)	476	(8.7)	477	(7.2)	487	(6.8)	498	(10.0)	499	(8.9)	500	(4.6)
	Singapore	587	(5.4)	560	(5.2)	553	(4.8)	563	(6.8)	571	(8.8)	578	(6.0)	580	(12.6)	582	(4.3)
	Chinese Taipei	544	(4.7)	539	(6.0)	539	(5.6)	536	(7.6)	553	(7.8)	537	(5.4)	562	(10.2)	540	(4.2)
	Thailand	459	(7.9)	430	(4.9)	440	(5.1)	450	(5.3)	452	(7.1)	455	(5.4)	477	(12.1)	471	(4.8)
	Tunisia	399	(3.4)	390	(3.5)	378	(4.1)	382	(4.2)	377	(5.1)	388	(8.9)	388	(8.5)	400	(5.0)
	United Arab Emirates	444	(4.0)	445	(4.9)	458	(5.2)	456	(6.1)	469	(6.7)	464	(6.1)	502	(15.6)	480	(5.3)
	Uruguay	448	(5.3)	437	(5.9)	449	(5.0)	464	(5.9)	463	(7.7)	475	(7.1)	452	(9.9)	466	(5.8)
	Malaysia**	439	(7.5)	436	(6.6)	443	(5.5)	450	(5.4)	441	(7.4)	442	(4.9)	445	(11.7)	446	(4.4)

1. Examples of moderate physical activity include walking, climbing stairs and riding a bike to school. One day of moderate physical activity consists of at least 60 minutes of such activities.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616826>

[Part 1/3]

Table V.6.1b Days engaged in vigorous physical activity and performance in collaborative problem solving*Results based on students' self-reports*

		Days engaged in vigorous physical activity ¹ in an average week				Performance in collaborative problem solving															
						Days of vigorous physical activity per week															
						All students															
		Average number of days		Variability		0		1		2		3		4		5		6		7	
Days	S.E.	S.D.	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.		
OECD	Australia	3.9	(0.03)	2.2	(0.01)	548	(3.2)	545	(3.4)	541	(3.7)	532	(3.7)	542	(4.5)	527	(4.4)	541	(6.6)	503	(4.2)
	Austria	3.4	(0.05)	2.1	(0.03)	515	(3.8)	517	(4.6)	518	(4.1)	523	(5.0)	525	(4.8)	497	(6.4)	497	(8.7)	465	(7.1)
	Belgium	3.5	(0.03)	2.1	(0.01)	500	(3.8)	499	(3.7)	515	(3.7)	523	(3.8)	519	(5.1)	511	(4.8)	508	(8.6)	490	(4.7)
	Canada	4.3	(0.03)	2.3	(0.01)	551	(3.8)	548	(4.7)	550	(4.0)	538	(3.7)	539	(4.0)	534	(3.5)	541	(6.1)	512	(4.5)
	Chile	3.4	(0.03)	2.1	(0.02)	478	(4.0)	460	(4.2)	461	(5.0)	458	(4.7)	455	(5.1)	450	(6.4)	448	(9.0)	431	(5.8)
	Czech Republic	4.1	(0.04)	2.2	(0.02)	497	(4.7)	503	(4.0)	508	(4.1)	503	(4.7)	501	(4.2)	515	(4.6)	513	(5.8)	486	(4.1)
	Denmark	4.4	(0.05)	2.2	(0.02)	519	(5.4)	532	(5.5)	523	(4.4)	535	(4.1)	529	(4.6)	529	(4.8)	514	(5.9)	504	(4.4)
	Estonia	4.1	(0.03)	2.1	(0.02)	547	(4.8)	543	(4.5)	537	(4.4)	535	(4.8)	541	(4.5)	540	(4.7)	541	(6.7)	509	(4.7)
	Finland	4.0	(0.04)	2.1	(0.02)	530	(5.1)	540	(5.3)	544	(4.8)	535	(4.7)	550	(5.2)	537	(5.2)	543	(6.2)	507	(8.3)
	France	3.2	(0.03)	2.0	(0.02)	499	(3.5)	512	(4.1)	506	(4.1)	505	(4.6)	505	(5.8)	491	(7.8)	493	(10.7)	462	(6.4)
	Germany	3.9	(0.03)	2.0	(0.02)	534	(5.0)	540	(5.2)	541	(4.7)	543	(4.4)	539	(4.5)	547	(5.7)	534	(9.2)	495	(7.2)
	Greece	3.9	(0.03)	2.2	(0.02)	476	(4.6)	457	(5.7)	467	(5.2)	458	(5.0)	467	(5.9)	465	(6.6)	451	(6.7)	435	(5.9)
	Hungary	4.2	(0.05)	2.2	(0.02)	468	(4.5)	466	(5.1)	480	(4.2)	486	(4.3)	474	(5.1)	473	(4.8)	490	(7.0)	461	(5.2)
	Iceland	5.0	(0.04)	2.3	(0.02)	513	(6.1)	509	(7.0)	516	(6.1)	493	(5.5)	505	(6.0)	510	(5.5)	505	(5.6)	484	(4.5)
	Ireland	4.1	(0.03)	2.2	(0.02)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	3.9	(0.05)	2.3	(0.02)	486	(5.5)	466	(4.9)	480	(5.7)	474	(5.7)	465	(5.8)	462	(6.7)	472	(7.4)	451	(6.3)
	Italy	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Japan	3.9	(0.06)	2.7	(0.02)	567	(3.3)	559	(4.6)	552	(4.8)	547	(5.4)	549	(7.2)	555	(7.1)	555	(3.6)	527	(3.9)
	Korea	3.2	(0.04)	2.2	(0.03)	555	(3.4)	537	(3.5)	545	(3.6)	535	(4.5)	530	(5.7)	520	(5.6)	519	(8.6)	508	(6.9)
	Latvia	4.2	(0.04)	2.1	(0.02)	503	(4.9)	486	(4.7)	493	(4.1)	487	(3.7)	490	(5.4)	479	(4.9)	480	(7.8)	464	(6.0)
	Luxembourg	3.9	(0.03)	2.2	(0.02)	494	(4.6)	496	(4.4)	502	(3.7)	508	(5.0)	500	(4.7)	504	(5.3)	496	(8.6)	464	(5.2)
	Mexico	3.8	(0.03)	2.2	(0.02)	443	(3.9)	423	(3.7)	427	(3.3)	440	(3.9)	450	(4.8)	441	(5.4)	444	(6.0)	430	(4.4)
	Netherlands	3.7	(0.03)	1.9	(0.02)	519	(5.4)	511	(3.9)	529	(5.1)	528	(4.0)	533	(4.6)	519	(6.6)	517	(8.8)	494	(8.0)
	New Zealand	3.9	(0.04)	2.2	(0.02)	544	(4.8)	553	(5.9)	548	(4.9)	529	(5.3)	537	(5.7)	530	(6.0)	541	(7.4)	506	(6.7)
	Norway	4.4	(0.04)	2.2	(0.02)	506	(4.4)	501	(5.0)	506	(4.6)	520	(4.3)	513	(4.7)	508	(4.8)	507	(6.5)	487	(4.7)
	Poland	4.6	(0.04)	2.3	(0.02)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	3.6	(0.04)	2.1	(0.02)	510	(4.2)	491	(4.1)	495	(4.4)	505	(4.4)	510	(5.5)	499	(5.6)	526	(9.6)	474	(5.3)
	Slovak Republic	4.2	(0.04)	2.3	(0.02)	471	(5.1)	464	(4.8)	471	(4.4)	477	(3.6)	473	(5.3)	463	(4.6)	475	(6.6)	452	(3.6)
	Slovenia	4.3	(0.04)	2.3	(0.02)	506	(4.6)	493	(4.8)	524	(4.3)	506	(4.4)	507	(5.2)	514	(4.6)	506	(6.4)	483	(4.6)
	Spain	3.5	(0.03)	2.1	(0.02)	501	(3.3)	498	(3.9)	501	(3.4)	500	(3.2)	492	(3.9)	503	(5.3)	501	(6.6)	485	(4.4)
	Sweden	4.3	(0.04)	2.2	(0.02)	504	(5.7)	514	(6.0)	521	(5.2)	527	(4.5)	529	(5.4)	511	(5.9)	521	(5.4)	497	(6.4)
	Switzerland	3.9	(0.03)	2.0	(0.02)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	3.4	(0.04)	2.2	(0.02)	432	(4.8)	414	(4.4)	421	(5.1)	432	(5.3)	415	(6.2)	428	(6.6)	428	(11.4)	425	(5.1)
	United Kingdom	3.4	(0.03)	2.1	(0.02)	528	(4.2)	527	(4.0)	538	(4.5)	521	(4.4)	515	(5.6)	515	(6.2)	512	(8.7)	497	(6.2)
	United States	4.5	(0.04)	2.4	(0.01)	540	(5.1)	528	(7.0)	538	(7.5)	526	(6.5)	523	(8.1)	520	(4.7)	531	(7.0)	499	(5.5)
OECD average-32	3.9	(0.01)	2.2	(0.00)	509	(0.8)	504	(0.9)	510	(0.8)	507	(0.8)	507	(1.0)	503	(1.0)	505	(1.4)	480	(1.0)	
OECD average-35	3.9	(0.01)	2.2	(0.00)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	
Partners	Brazil	3.2	(0.03)	2.3	(0.02)	438	(2.9)	407	(4.6)	415	(4.7)	423	(3.8)	415	(5.7)	424	(5.0)	422	(7.3)	416	(4.9)
	B-S-J-G (China)	4.0	(0.05)	2.2	(0.02)	515	(6.7)	485	(6.2)	490	(5.5)	494	(5.2)	493	(7.4)	499	(5.9)	517	(9.0)	497	(4.5)
	Bulgaria	3.9	(0.04)	2.3	(0.02)	452	(4.7)	443	(5.5)	453	(4.2)	449	(5.7)	465	(6.4)	462	(6.2)	466	(8.2)	447	(5.0)
	Colombia	3.5	(0.03)	2.2	(0.02)	429	(3.4)	418	(3.5)	433	(3.9)	443	(4.3)	441	(5.4)	435	(5.4)	431	(6.9)	435	(5.2)
	Costa Rica	3.2	(0.04)	2.1	(0.02)	450	(3.9)	436	(3.8)	436	(5.1)	444	(5.3)	437	(6.0)	434	(5.0)	444	(8.5)	413	(5.2)
	Croatia	3.8	(0.04)	2.3	(0.02)	480	(3.3)	467	(3.1)	476	(3.8)	487	(4.8)	479	(4.7)	471	(5.1)	482	(7.1)	459	(5.0)
	Cyprus*	4.0	(0.03)	2.3	(0.02)	460	(3.9)	443	(3.8)	454	(4.5)	437	(4.4)	453	(4.2)	446	(5.2)	456	(6.8)	436	(4.4)
	Dominican Republic	3.9	(0.05)	2.3	(0.02)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	3.3	(0.04)	2.1	(0.02)	559	(4.2)	547	(3.8)	538	(4.5)	540	(5.9)	538	(6.4)	537	(6.1)	528	(10.2)	500	(6.5)
	Lithuania	4.1	(0.03)	2.2	(0.02)	471	(4.5)	470	(4.7)	471	(3.9)	466	(4.7)	478	(4.7)	480	(5.1)	483	(6.4)	455	(5.1)
	Macao (China)	3.0	(0.03)	2.0	(0.03)	551	(2.8)	534	(2.5)	533	(3.3)	532	(5.6)	534	(6.4)	509	(7.6)	521	(8.7)	495	(6.0)
	Montenegro	4.3	(0.03)	2.4	(0.02)	431	(3.6)	413	(4.1)	419	(3.6)	427	(3.4)	424	(4.9)	421	(4.7)	427	(5.0)	414	(3.2)
	Peru	3.6	(0.03)	2.1	(0.02)	446	(4.0)	414	(3.8)	420	(4.3)	429	(4.2)	417	(5.1)	417	(5.7)	430	(7.4)	415	(4.4)
	Qatar	3.4	(0.02)	2.2	(0.01)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	4.2	(0.04)	2.2	(0.02)	496	(6.2)	475	(5.0)	483	(4.8)	477	(5.1)	469	(6.3)	478	(6.2)	470	(7.8)	457	(5.1)
	Singapore	3.2	(0.02)	1.9	(0.02)	579	(3.8)	561	(2.7)	559	(3.1)	564	(3.2)	565	(4.8)	545	(5.6)	552	(12.8)	533	(5.8)
	Chinese Taipei	3.6	(0.03)	2.2	(0.02)	530	(3.3)	526	(5.2)	536	(3.5)	531	(4.6)	533	(6.0)	513	(5.1)	530	(9.4)	502	(4.0)
	Thailand	3.7	(0.03)	2.1	(0.02)	457	(5.3)	437	(4.4)	439	(4.0)	442	(4.8)	436	(7.0)	425	(4.3)	421	(8.1)	421	(4.9)
	Tunisia	3.3	(0.03)	2.1	(0.02)	399	(2.8)	380	(3.1)	381	(3.3)	377	(3.7)	375	(4.9)	376	(5.4)	376	(7.0)	382	(4.2)
	United Arab Emirates	3.4	(0.03)	2.2	(0.02)	442	(3.3)	435	(3.7)	438	(4.0)	440	(4.9)	452	(5.9)	443	(5.5)	445	(7.4)	426	(4.4)
	Uruguay	3.7	(0.04)	2.2	(0.02)	458	(3.7)	444	(4.4)	451	(3.9)	457	(4.7)	451	(5.4)	450	(4.9)	440	(6.3)	428	(5.5)
	Malaysia**	4.0	(0.04)	2.1	(0.02)	445	(4.7)	440	(4.7)	443	(4.0)	444	(4.0)	445	(6.0)	434	(5.1)	425	(9.4)	434	(4.6)

1. Vigorous physical activities are those that make a student sweat and breathe hard, such as running, cycling, aerobics, soccer or skating. One day of vigorous physical activity consists of at least 20 minutes of such activities.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616826>

[Part 2/3]

Table V.6.1b Days engaged in vigorous physical activity and performance in collaborative problem solving*Results based on students' self-reports*

		Performance in collaborative problem solving															
		Days of vigorous physical activity ¹ per week															
		Boys															
		0		1		2		3		4		5		6		7	
		Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.
OECD	Australia	531	(4.7)	522	(5.4)	523	(6.0)	515	(4.7)	523	(5.4)	509	(6.3)	527	(8.7)	489	(5.2)
	Austria	508	(6.3)	508	(6.0)	509	(5.8)	517	(6.1)	516	(6.0)	484	(6.8)	490	(10.9)	453	(8.5)
	Belgium	490	(5.7)	484	(5.0)	500	(5.2)	511	(5.3)	505	(5.9)	501	(5.7)	492	(11.0)	480	(5.9)
	Canada	538	(5.4)	530	(6.7)	528	(5.4)	525	(5.7)	518	(5.3)	517	(4.2)	528	(7.0)	498	(5.3)
	Chile	480	(5.6)	454	(6.1)	459	(6.3)	456	(5.7)	450	(6.0)	449	(7.1)	444	(10.5)	426	(6.4)
	Czech Republic	487	(6.8)	487	(6.2)	499	(5.1)	495	(5.7)	485	(6.0)	499	(6.4)	501	(7.8)	474	(5.3)
	Denmark	506	(6.1)	515	(8.2)	515	(6.2)	525	(6.1)	524	(6.1)	519	(6.4)	510	(7.1)	501	(5.6)
	Estonia	540	(7.2)	528	(7.4)	527	(5.8)	524	(5.9)	529	(5.8)	529	(5.5)	528	(8.9)	497	(5.8)
	Finland	508	(6.3)	513	(7.7)	524	(6.0)	513	(6.1)	527	(6.7)	516	(6.6)	519	(8.5)	490	(8.8)
	France	490	(6.1)	500	(6.7)	494	(5.5)	492	(5.5)	492	(7.7)	476	(9.6)	480	(13.1)	456	(7.5)
	Germany	526	(8.3)	527	(7.5)	522	(7.0)	531	(5.4)	532	(5.8)	534	(7.0)	517	(11.3)	481	(8.8)
	Greece	461	(7.2)	444	(8.0)	452	(7.1)	440	(5.6)	455	(7.0)	454	(8.6)	452	(8.6)	428	(6.4)
	Hungary	462	(6.8)	448	(7.2)	464	(7.6)	466	(6.1)	460	(7.5)	469	(6.3)	481	(8.5)	451	(6.7)
	Iceland	509	(10.6)	498	(11.2)	514	(10.5)	483	(8.5)	486	(7.8)	496	(7.7)	496	(7.4)	472	(5.5)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	483	(11.6)	463	(6.5)	470	(8.8)	466	(6.7)	458	(7.8)	453	(7.4)	462	(9.1)	443	(7.9)
	Italy	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Japan	555	(5.5)	554	(6.1)	542	(7.2)	533	(7.6)	538	(9.2)	544	(8.2)	547	(5.1)	519	(4.6)
	Korea	537	(5.5)	518	(5.6)	532	(4.7)	524	(6.0)	523	(5.9)	514	(6.6)	518	(9.8)	506	(7.0)
	Latvia	481	(8.2)	463	(6.1)	478	(6.3)	472	(5.6)	470	(6.8)	463	(6.0)	470	(8.7)	445	(7.0)
	Luxembourg	489	(7.6)	473	(6.9)	491	(5.6)	497	(6.9)	491	(6.2)	497	(7.0)	481	(9.7)	455	(6.0)
	Mexico	431	(5.5)	412	(4.7)	417	(5.3)	433	(5.4)	443	(6.5)	439	(6.0)	442	(7.8)	429	(5.0)
	Netherlands	506	(7.7)	491	(6.4)	510	(7.0)	516	(4.6)	519	(5.6)	514	(8.2)	511	(9.7)	485	(9.8)
	New Zealand	533	(7.0)	528	(8.9)	523	(6.7)	513	(8.0)	522	(7.2)	516	(7.9)	525	(8.9)	484	(7.6)
	Norway	492	(6.4)	485	(7.3)	493	(6.2)	504	(7.0)	497	(6.6)	499	(6.0)	497	(7.9)	479	(6.0)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	504	(7.0)	476	(6.9)	484	(4.9)	497	(5.2)	505	(6.8)	493	(6.6)	523	(11.2)	468	(5.9)
	Slovak Republic	457	(7.3)	440	(7.1)	452	(5.7)	466	(5.3)	458	(6.8)	454	(5.6)	467	(7.6)	444	(4.4)
	Slovenia	489	(6.5)	470	(6.7)	503	(6.4)	488	(6.1)	488	(6.8)	497	(5.8)	488	(7.0)	478	(5.9)
	Spain	489	(5.3)	480	(6.0)	490	(5.2)	492	(4.0)	484	(5.0)	497	(5.8)	486	(8.5)	476	(7.3)
	Sweden	493	(7.5)	497	(8.1)	504	(6.7)	501	(6.5)	504	(7.7)	492	(8.3)	501	(7.2)	482	(7.8)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	406	(6.4)	393	(5.5)	410	(5.8)	422	(6.5)	414	(7.9)	425	(8.7)	433	(14.9)	422	(6.0)
	United Kingdom	516	(5.6)	503	(5.9)	525	(6.0)	507	(5.3)	502	(6.8)	506	(7.6)	493	(9.9)	489	(6.6)
	United States	536	(8.2)	517	(9.9)	536	(10.4)	513	(8.7)	516	(8.7)	508	(6.6)	514	(8.5)	494	(6.0)
	OECD average-32	498	(1.3)	488	(1.3)	496	(1.2)	495	(1.1)	495	(1.2)	492	(1.2)	494	(1.7)	471	(1.2)
	OECD average-35	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
Partners	Brazil	431	(4.4)	399	(4.9)	412	(5.3)	420	(5.0)	412	(6.4)	415	(6.2)	421	(8.8)	413	(5.0)
	B-S-J-G (China)	496	(9.6)	470	(7.3)	483	(5.5)	483	(6.2)	489	(9.1)	485	(5.8)	509	(10.1)	495	(5.4)
	Bulgaria	434	(7.0)	423	(7.8)	435	(6.0)	432	(7.6)	448	(8.5)	456	(7.5)	458	(10.5)	438	(5.5)
	Colombia	416	(5.3)	414	(4.4)	426	(4.8)	439	(6.2)	435	(7.2)	434	(6.7)	434	(7.1)	435	(5.6)
	Costa Rica	453	(6.5)	430	(5.5)	438	(6.1)	443	(6.1)	439	(6.3)	435	(6.4)	433	(9.4)	412	(5.8)
	Croatia	467	(6.0)	455	(6.3)	457	(5.8)	477	(6.3)	459	(6.1)	462	(6.8)	468	(8.0)	451	(5.6)
	Cyprus*	442	(6.9)	417	(5.9)	433	(6.3)	414	(6.5)	438	(5.6)	429	(6.7)	446	(7.6)	425	(5.7)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	538	(5.2)	529	(5.0)	522	(5.8)	529	(7.2)	525	(7.0)	529	(7.6)	510	(13.0)	490	(7.2)
	Lithuania	445	(7.4)	446	(6.7)	457	(6.1)	455	(6.8)	464	(5.5)	470	(5.1)	476	(8.5)	450	(6.0)
	Macao (China)	533	(5.6)	512	(3.8)	520	(4.9)	511	(6.7)	525	(7.0)	503	(8.8)	508	(10.6)	489	(6.9)
	Montenegro	407	(6.8)	394	(6.1)	407	(5.1)	413	(4.5)	410	(6.7)	418	(6.0)	423	(6.8)	411	(3.7)
	Peru	437	(7.5)	406	(4.3)	415	(5.3)	427	(4.9)	419	(5.8)	418	(6.8)	434	(8.9)	414	(4.5)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	484	(8.5)	461	(7.8)	470	(6.5)	465	(6.4)	461	(10.0)	471	(7.6)	455	(9.2)	449	(5.3)
	Singapore	568	(6.2)	553	(4.2)	552	(4.2)	559	(4.7)	554	(5.5)	541	(6.8)	535	(14.5)	531	(6.7)
	Chinese Taipei	512	(5.6)	509	(6.8)	523	(5.2)	523	(6.1)	525	(8.0)	500	(6.3)	521	(11.7)	495	(4.4)
	Thailand	435	(9.7)	413	(6.1)	416	(5.3)	425	(6.4)	419	(8.0)	414	(5.7)	413	(10.7)	413	(5.2)
	Tunisia	390	(4.6)	374	(4.1)	377	(4.5)	372	(4.8)	372	(6.4)	379	(6.1)	377	(8.0)	382	(5.0)
	United Arab Emirates	415	(4.1)	413	(4.3)	424	(4.9)	424	(6.5)	433	(7.1)	433	(6.9)	432	(7.9)	415	(5.2)
	Uruguay	451	(6.2)	436	(6.5)	441	(6.9)	447	(7.0)	449	(7.3)	450	(5.9)	435	(7.3)	425	(6.5)
	Malaysia**	416	(7.9)	430	(6.4)	427	(5.6)	433	(4.9)	435	(7.0)	430	(6.3)	428	(10.5)	431	(4.8)

1. Vigorous physical activities are those that make a student sweat and breathe hard, such as running, cycling, aerobics, soccer or skating. One day of vigorous physical activity consists of at least 20 minutes of such activities.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 3/3]

Table V.6.1b Days engaged in vigorous physical activity and performance in collaborative problem solving*Results based on students' self-reports*

		Performance in collaborative problem solving															
		Days of vigorous physical activity ¹ per week															
		Girls															
		0		1		2		3		4		5		6		7	
		Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.
OECD	Australia	558	(4.4)	561	(4.4)	555	(4.0)	550	(5.0)	565	(5.9)	553	(5.7)	562	(7.9)	538	(6.4)
	Austria	520	(5.0)	524	(6.2)	526	(6.1)	530	(6.7)	538	(7.0)	523	(10.5)	515	(14.9)	499	(11.0)
	Belgium	505	(4.5)	510	(4.3)	528	(4.7)	539	(4.3)	542	(6.8)	527	(8.0)	539	(10.7)	510	(8.5)
	Canada	560	(4.3)	558	(5.1)	566	(4.7)	551	(4.2)	559	(5.1)	555	(5.3)	559	(8.9)	545	(6.6)
	Chile	478	(4.7)	464	(4.4)	462	(5.7)	459	(6.0)	468	(8.5)	452	(10.3)	460	(12.9)	444	(8.6)
	Czech Republic	507	(6.2)	516	(4.4)	516	(5.5)	511	(5.7)	518	(5.3)	533	(5.5)	530	(8.8)	505	(6.3)
	Denmark	530	(7.6)	544	(5.5)	529	(5.1)	543	(4.9)	535	(6.5)	541	(5.9)	520	(9.2)	513	(7.4)
	Estonia	552	(5.9)	557	(5.4)	545	(5.2)	547	(6.3)	554	(6.1)	553	(6.4)	560	(10.9)	529	(8.1)
	Finland	555	(7.0)	564	(5.9)	562	(5.9)	555	(5.9)	572	(6.3)	561	(6.3)	572	(7.8)	543	(12.0)
	France	504	(4.4)	521	(4.7)	517	(5.4)	524	(7.5)	523	(8.5)	514	(11.0)	522	(15.6)	479	(10.6)
	Germany	540	(6.9)	549	(6.1)	554	(5.0)	555	(5.5)	549	(6.4)	567	(7.9)	566	(15.1)	522	(10.7)
	Greece	484	(4.7)	467	(6.8)	480	(5.1)	480	(6.5)	487	(8.1)	483	(7.8)	450	(11.2)	452	(10.1)
	Hungary	472	(6.3)	478	(6.8)	491	(4.6)	505	(5.3)	490	(7.5)	481	(7.2)	508	(10.1)	479	(7.6)
	Iceland	515	(7.4)	517	(8.0)	517	(7.2)	502	(7.0)	520	(8.0)	523	(6.4)	514	(7.2)	504	(6.9)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	488	(5.9)	468	(6.9)	490	(5.9)	486	(7.9)	476	(8.4)	483	(11.1)	495	(12.6)	472	(10.3)
	Italy	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Japan	573	(3.6)	562	(6.2)	560	(5.2)	562	(5.7)	565	(9.1)	570	(8.2)	568	(6.3)	548	(4.6)
	Korea	562	(4.0)	552	(4.4)	562	(4.4)	554	(6.5)	555	(10.5)	533	(8.6)	526	(18.5)	514	(11.0)
	Latvia	515	(5.7)	504	(6.2)	505	(5.1)	503	(5.1)	512	(6.4)	500	(6.9)	496	(12.8)	502	(9.1)
	Luxembourg	497	(5.0)	511	(4.5)	510	(4.9)	517	(6.1)	513	(6.5)	516	(9.1)	522	(11.7)	487	(8.6)
	Mexico	450	(4.9)	432	(4.6)	436	(3.8)	448	(4.6)	458	(6.4)	444	(7.4)	447	(8.8)	431	(5.9)
	Netherlands	526	(5.8)	525	(4.5)	544	(5.2)	542	(5.7)	550	(5.7)	526	(8.8)	527	(13.6)	512	(13.3)
	New Zealand	553	(6.2)	573	(7.6)	567	(5.6)	544	(6.9)	553	(7.6)	551	(8.8)	565	(10.8)	548	(10.7)
	Norway	518	(6.2)	515	(6.0)	518	(5.7)	530	(5.0)	526	(5.5)	521	(6.7)	521	(8.4)	503	(6.4)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	514	(4.3)	502	(4.6)	504	(6.0)	515	(5.4)	519	(7.4)	511	(8.0)	533	(12.9)	489	(10.1)
	Slovak Republic	481	(5.9)	480	(6.1)	486	(5.5)	487	(4.6)	491	(6.8)	479	(7.5)	486	(9.6)	470	(6.9)
	Slovenia	518	(6.1)	508	(6.1)	540	(5.0)	521	(5.7)	531	(7.5)	541	(6.9)	535	(10.2)	494	(6.8)
	Spain	508	(3.6)	511	(4.5)	510	(4.5)	508	(5.2)	505	(5.8)	512	(8.4)	524	(9.8)	509	(11.1)
	Sweden	515	(6.7)	526	(7.4)	535	(6.6)	546	(6.0)	547	(5.6)	537	(7.6)	544	(7.7)	528	(7.7)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	442	(5.4)	432	(5.5)	433	(6.0)	443	(5.9)	416	(8.8)	433	(8.8)	412	(15.8)	430	(7.4)
	United Kingdom	534	(5.2)	542	(4.7)	552	(6.3)	538	(6.1)	538	(7.8)	535	(10.1)	544	(13.9)	523	(11.6)
	United States	542	(5.5)	535	(8.3)	539	(7.7)	537	(7.1)	530	(10.5)	535	(6.2)	553	(10.6)	514	(7.8)
	OECD average-32	517	(1.0)	516	(1.0)	521	(1.0)	520	(1.1)	523	(1.3)	519	(1.4)	522	(2.1)	501	(1.6)
	OECD average-35	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
Partners	Brazil	441	(2.9)	415	(5.8)	419	(5.3)	426	(4.8)	421	(8.0)	434	(6.3)	424	(11.6)	422	(7.3)
	B-S-J-G (China)	529	(6.8)	500	(7.7)	497	(7.1)	507	(6.1)	499	(9.2)	514	(8.5)	536	(17.0)	501	(7.1)
	Bulgaria	463	(5.4)	461	(5.9)	470	(5.2)	469	(6.5)	486	(8.3)	474	(8.6)	481	(11.1)	469	(7.7)
	Colombia	435	(3.7)	421	(4.1)	439	(4.9)	446	(5.5)	451	(7.8)	436	(7.4)	426	(12.5)	436	(8.2)
	Costa Rica	449	(4.0)	441	(4.3)	433	(6.0)	447	(6.1)	433	(11.7)	432	(8.0)	464	(13.5)	417	(9.6)
	Croatia	486	(4.0)	474	(4.4)	490	(4.4)	497	(6.0)	505	(6.6)	488	(6.6)	517	(11.5)	476	(7.3)
	Cyprus*	469	(4.0)	462	(4.5)	470	(5.4)	458	(5.5)	470	(6.2)	473	(6.4)	476	(10.0)	457	(6.5)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	572	(4.8)	560	(4.7)	552	(5.6)	553	(7.4)	559	(12.5)	553	(8.0)	570	(13.0)	533	(10.4)
	Lithuania	486	(4.7)	484	(5.5)	483	(5.2)	477	(5.2)	496	(6.2)	497	(8.6)	495	(8.6)	465	(7.9)
	Macao (China)	561	(3.4)	553	(3.3)	545	(4.3)	561	(6.9)	549	(10.9)	525	(12.1)	547	(15.2)	533	(15.2)
	Montenegro	441	(4.3)	427	(5.0)	429	(5.2)	438	(4.8)	442	(6.6)	426	(5.8)	433	(6.7)	423	(4.9)
	Peru	448	(4.3)	420	(4.7)	425	(5.1)	433	(5.3)	414	(7.2)	414	(8.9)	423	(11.5)	419	(9.1)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	502	(7.4)	485	(6.4)	493	(5.5)	489	(5.7)	478	(6.7)	485	(9.4)	492	(9.9)	472	(9.1)
	Singapore	586	(4.7)	568	(3.6)	565	(3.9)	570	(4.8)	585	(10.4)	561	(11.0)	601	(20.2)	539	(11.0)
	Chinese Taipei	540	(4.2)	536	(6.1)	547	(4.3)	541	(6.6)	548	(7.9)	535	(7.3)	549	(12.4)	526	(7.8)
	Thailand	468	(5.4)	450	(4.8)	450	(4.3)	454	(4.9)	453	(8.6)	442	(6.5)	432	(10.9)	441	(7.2)
	Tunisia	402	(3.1)	385	(3.7)	385	(3.9)	381	(4.1)	380	(6.2)	370	(7.5)	373	(11.6)	383	(5.6)
	United Arab Emirates	455	(4.2)	451	(4.8)	453	(5.0)	457	(5.9)	480	(7.9)	459	(7.0)	476	(14.1)	453	(6.2)
	Uruguay	460	(3.9)	449	(5.3)	458	(3.8)	466	(5.5)	453	(8.4)	450	(8.7)	453	(10.7)	437	(10.5)
	Malaysia**	459	(5.1)	446	(5.1)	452	(4.2)	453	(4.7)	458	(6.9)	440	(7.1)	417	(13.8)	441	(7.5)

1. Vigorous physical activities are those that make a student sweat and breathe hard, such as running, cycling, aerobics, soccer or skating. One day of vigorous physical activity consists of at least 20 minutes of such activities.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/3]

Table V.6.1c Days of physical education class and performance in collaborative problem solving*Results based on students' self-reports*

		Performance in collaborative problem solving													
		Days attending physical education class in an average week				Days of physical education class per week									
						All students									
		Average number of days		Variability		0		1		2		3		4	
		Days	S.E.	S.D.	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.
OECD	Australia	2.2	(0.02)	1.4	(0.01)	552	(3.9)	558	(4.8)	542	(2.7)	532	(3.3)	520	(5.0)
	Austria	1.3	(0.03)	1.0	(0.03)	469	(5.1)	526	(3.1)	511	(8.0)	469	(16.6)	482	(17.6)
	Belgium	1.6	(0.03)	0.9	(0.03)	456	(9.2)	506	(3.2)	518	(4.2)	452	(9.0)	484	(10.3)
	Canada	2.7	(0.03)	2.0	(0.01)	555	(4.1)	550	(4.9)	545	(5.4)	558	(4.2)	524	(6.9)
	Chile	1.8	(0.03)	1.2	(0.02)	458	(12.3)	464	(3.6)	471	(5.1)	447	(10.9)	432	(10.0)
	Czech Republic	1.7	(0.03)	0.9	(0.03)	484	(7.2)	508	(3.5)	508	(3.1)	491	(9.0)	445	(12.5)
	Denmark	1.4	(0.04)	1.0	(0.06)	517	(13.8)	529	(2.7)	514	(5.2)	504	(8.7)	516	(14.0)
	Estonia	1.7	(0.02)	0.8	(0.02)	529	(7.8)	543	(3.9)	538	(3.2)	499	(15.5)	c	c
	Finland	1.8	(0.02)	1.1	(0.02)	534	(15.1)	556	(2.9)	537	(3.1)	510	(6.9)	483	(10.2)
	France	1.4	(0.02)	1.0	(0.02)	464	(9.3)	520	(2.9)	459	(4.9)	475	(9.8)	422	(16.0)
	Germany	1.4	(0.02)	0.8	(0.02)	520	(18.3)	546	(2.9)	528	(5.8)	477	(14.9)	452	(15.6)
	Greece	2.3	(0.02)	1.1	(0.02)	447	(8.7)	469	(7.8)	472	(3.3)	431	(7.5)	413	(12.8)
	Hungary	3.7	(0.04)	1.2	(0.02)	441	(13.7)	399	(13.6)	437	(12.5)	487	(4.8)	474	(5.9)
	Iceland	2.4	(0.02)	1.2	(0.01)	495	(11.7)	504	(5.5)	509	(3.0)	509	(5.2)	486	(7.5)
	Ireland	1.1	(0.02)	0.8	(0.03)	m	m	m	m	m	m	m	m	m	m
	Israel	2.0	(0.04)	1.3	(0.02)	473	(13.4)	463	(6.3)	500	(4.5)	428	(10.6)	408	(8.7)
	Italy	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Japan	2.5	(0.03)	0.7	(0.02)	c	c	566	(8.6)	560	(4.4)	548	(3.2)	543	(17.6)
	Korea	2.2	(0.03)	0.7	(0.04)	481	(22.3)	522	(9.4)	544	(2.7)	532	(6.5)	525	(7.7)
	Latvia	2.0	(0.03)	1.0	(0.02)	489	(7.7)	496	(4.9)	493	(2.7)	457	(7.4)	458	(13.9)
	Luxembourg	1.6	(0.01)	1.0	(0.01)	441	(9.5)	509	(2.2)	481	(2.8)	466	(7.7)	486	(9.9)
	Mexico	1.6	(0.05)	1.4	(0.02)	455	(5.0)	437	(4.7)	427	(4.3)	441	(6.5)	427	(11.6)
	Netherlands	1.4	(0.03)	0.8	(0.03)	495	(9.5)	538	(3.6)	499	(4.6)	481	(10.0)	490	(15.4)
	New Zealand	2.0	(0.05)	1.9	(0.02)	561	(3.1)	547	(9.2)	540	(6.7)	530	(5.9)	513	(5.4)
	Norway	1.8	(0.04)	0.8	(0.03)	461	(23.1)	502	(4.2)	513	(2.8)	495	(6.4)	479	(14.6)
	Poland	3.2	(0.06)	0.9	(0.02)	m	m	m	m	m	m	m	m	m	m
	Portugal	2.1	(0.02)	0.7	(0.02)	451	(21.7)	477	(6.8)	508	(2.7)	494	(10.4)	425	(18.3)
	Slovak Republic	2.0	(0.03)	0.9	(0.02)	451	(7.6)	468	(8.2)	473	(3.2)	464	(7.5)	403	(9.5)
	Slovenia	2.1	(0.01)	0.9	(0.01)	433	(13.6)	471	(3.4)	516	(2.9)	513	(3.9)	477	(11.2)
	Spain	1.9	(0.02)	0.5	(0.03)	452	(12.9)	509	(6.7)	500	(2.1)	487	(19.9)	c	c
	Sweden	2.2	(0.03)	1.1	(0.02)	486	(15.8)	545	(7.4)	513	(3.7)	514	(8.6)	505	(11.0)
	Switzerland	2.0	(0.03)	1.0	(0.02)	m	m	m	m	m	m	m	m	m	m
	Turkey	2.1	(0.04)	1.6	(0.03)	446	(12.8)	427	(4.4)	430	(5.2)	422	(12.4)	452	(8.8)
	United Kingdom	1.9	(0.03)	1.2	(0.02)	506	(8.2)	531	(4.2)	535	(4.2)	507	(5.1)	494	(5.8)
	United States	2.4	(0.08)	2.2	(0.03)	542	(4.5)	506	(14.2)	516	(10.5)	520	(7.5)	510	(8.6)
	OECD average-32	2.0	(0.01)	1.1	(0.00)	485	(2.2)	506	(1.1)	504	(0.9)	488	(1.7)	473	(2.2)
	OECD average-35	2.0	(0.01)	1.1	(0.00)	m	m	m	m	m	m	m	m	m	m
Partners	Brazil	1.8	(0.02)	1.3	(0.02)	431	(6.3)	435	(3.8)	420	(3.1)	386	(7.4)	398	(11.9)
	B-S-J-G (China)	2.3	(0.04)	1.0	(0.03)	445	(13.4)	471	(7.9)	496	(6.3)	508	(5.6)	532	(12.8)
	Bulgaria	2.6	(0.03)	1.2	(0.02)	408	(10.7)	486	(14.6)	462	(4.2)	445	(5.6)	419	(10.6)
	Colombia	1.6	(0.03)	1.3	(0.02)	416	(14.6)	442	(2.6)	426	(6.1)	415	(11.6)	410	(13.7)
	Costa Rica	1.0	(0.02)	0.5	(0.03)	417	(7.6)	444	(2.8)	415	(12.5)	c	c	c	c
	Croatia	1.7	(0.03)	0.6	(0.02)	462	(14.0)	468	(4.5)	480	(3.5)	413	(13.0)	c	c
	Cyprus*	2.2	(0.01)	1.1	(0.01)	437	(8.5)	440	(3.4)	464	(2.5)	421	(4.1)	441	(8.8)
	Dominican Republic	2.5	(0.04)	1.7	(0.02)	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	1.1	(0.01)	0.5	(0.03)	505	(16.8)	544	(2.7)	531	(12.9)	464	(20.1)	c	c
	Lithuania	2.0	(0.02)	1.0	(0.02)	457	(5.8)	465	(7.8)	477	(2.6)	445	(8.1)	423	(13.3)
	Macao (China)	1.7	(0.01)	0.8	(0.01)	458	(16.2)	540	(2.3)	541	(2.0)	468	(7.8)	435	(16.0)
	Montenegro	2.8	(0.02)	1.4	(0.01)	420	(7.0)	428	(5.7)	431	(1.7)	430	(3.7)	400	(7.1)
	Peru	1.7	(0.03)	1.4	(0.02)	434	(12.6)	434	(3.1)	425	(6.0)	403	(13.4)	362	(12.3)
	Qatar	1.9	(0.01)	1.6	(0.01)	m	m	m	m	m	m	m	m	m	m
	Russia	2.9	(0.04)	1.0	(0.03)	475	(15.5)	499	(10.5)	489	(5.8)	479	(3.7)	445	(9.4)
	Singapore	1.7	(0.01)	0.8	(0.01)	548	(13.5)	578	(2.0)	554	(1.9)	564	(6.0)	516	(15.4)
	Chinese Taipei	1.8	(0.02)	0.7	(0.02)	447	(12.9)	524	(6.4)	531	(3.0)	513	(8.2)	533	(35.9)
	Thailand	1.3	(0.02)	1.0	(0.03)	420	(7.6)	450	(3.7)	421	(6.4)	388	(8.9)	381	(15.3)
	Tunisia	1.9	(0.03)	1.3	(0.02)	396	(4.7)	401	(3.3)	373	(2.9)	366	(4.4)	376	(6.9)
	United Arab Emirates	1.9	(0.02)	1.4	(0.01)	456	(6.4)	455	(3.8)	433	(3.1)	444	(6.2)	402	(7.4)
	Uruguay	1.9	(0.03)	1.4	(0.02)	448	(4.6)	464	(6.2)	455	(2.9)	422	(8.2)	437	(11.1)
	Malaysia**	1.8	(0.03)	1.2	(0.03)	433	(11.7)	452	(4.4)	438	(4.5)	425	(9.4)	431	(11.7)

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 2/3]

Table V.6.1c Days of physical education class and performance in collaborative problem solving*Results based on students' self-reports*

	Performance in collaborative problem solving											
	Days of physical education class per week											
	Boys											
	0		1		2		3		4		5+	
	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.
OECD	Australia	541 (5.2)	538 (6.0)	527 (3.9)	513 (4.4)	504 (6.3)	442 (5.8)					
	Austria	463 (8.2)	516 (4.1)	506 (8.6)	456 (16.2)	467 (17.2)	434 (9.7)					
	Belgium	423 (14.3)	494 (4.1)	506 (4.9)	450 (9.5)	486 (11.6)	464 (13.1)					
	Canada	537 (5.5)	541 (6.5)	533 (7.7)	539 (5.7)	507 (9.8)	496 (3.6)					
	Chile	c	455 (4.5)	465 (5.1)	450 (15.6)	430 (15.5)	405 (7.6)					
	Czech Republic	476 (11.8)	494 (4.8)	499 (4.6)	479 (9.3)	435 (13.2)	430 (8.5)					
	Denmark	510 (18.8)	518 (3.3)	509 (6.5)	501 (11.9)	496 (14.1)	485 (12.5)					
	Estonia	518 (10.3)	531 (4.6)	526 (3.7)	498 (20.5)	c	456 (13.9)					
	Finland	488 (21.8)	534 (4.2)	521 (4.1)	494 (7.4)	468 (11.6)	442 (8.8)					
	France	429 (12.8)	510 (3.8)	449 (6.9)	458 (11.7)	413 (17.9)	396 (9.0)					
	Germany	481 (18.8)	533 (3.6)	514 (6.4)	470 (16.8)	c	457 (15.5)					
	Greece	421 (11.3)	446 (11.9)	459 (4.1)	426 (8.9)	403 (17.9)	396 (7.5)					
	Hungary	c	393 (18.9)	425 (11.3)	472 (6.2)	461 (7.3)	466 (5.8)					
	Iceland	484 (20.1)	487 (8.0)	498 (3.8)	494 (6.9)	472 (11.2)	451 (9.0)					
	Ireland	m	m	m	m	m	m					
	Israel	472 (22.3)	454 (7.8)	493 (4.5)	423 (13.8)	409 (12.0)	386 (5.6)					
	Italy	m	m	m	m	m	m					
	Japan	c	555 (9.4)	547 (5.6)	535 (4.0)	543 (27.2)	461 (28.7)					
	Korea	c	495 (12.7)	528 (3.6)	524 (9.5)	522 (10.4)	481 (11.5)					
	Latvia	449 (13.7)	474 (7.0)	476 (3.3)	440 (9.0)	447 (16.6)	428 (7.0)					
	Luxembourg	432 (11.5)	501 (3.5)	469 (4.3)	447 (9.8)	480 (11.7)	439 (7.6)					
	Mexico	452 (5.5)	431 (5.3)	421 (5.0)	433 (8.3)	404 (14.4)	405 (7.0)					
	Netherlands	482 (12.0)	527 (4.7)	485 (5.0)	472 (11.0)	486 (19.3)	447 (17.7)					
	New Zealand	547 (4.8)	538 (11.6)	525 (9.4)	505 (8.2)	493 (7.7)	474 (7.2)					
	Norway	c	489 (5.3)	498 (3.4)	485 (8.0)	484 (18.2)	451 (15.6)					
	Poland	m	m	m	m	m	m					
	Portugal	c	479 (7.2)	499 (3.3)	482 (11.9)	421 (23.3)	406 (12.1)					
	Slovak Republic	424 (10.4)	453 (9.1)	460 (3.6)	450 (8.5)	398 (11.0)	395 (8.8)					
	Slovenia	417 (15.8)	465 (4.2)	500 (3.6)	492 (5.9)	447 (14.1)	442 (10.6)					
	Spain	431 (15.6)	497 (7.1)	490 (2.7)	c	c	434 (13.8)					
	Sweden	463 (20.2)	527 (10.3)	494 (4.1)	504 (11.3)	488 (12.6)	455 (6.8)					
	Switzerland	m	m	m	m	m	m					
	Turkey	422 (14.1)	414 (5.1)	423 (5.9)	415 (19.4)	447 (11.7)	391 (5.4)					
	United Kingdom	494 (11.6)	517 (5.1)	518 (5.4)	490 (5.4)	483 (6.5)	452 (8.6)					
	United States	533 (5.8)	507 (21.0)	503 (12.8)	502 (10.7)	492 (9.5)	502 (5.6)					
	OECD average-32	472 (2.8)	494 (1.5)	492 (1.1)	477 (2.0)	464 (2.7)	441 (2.0)					
	OECD average-35	m	m	m	m	m	m					
Partners	Brazil	425 (8.0)	428 (3.9)	412 (3.5)	378 (7.9)	396 (12.8)	375 (5.1)					
	B-S-J-G (China)	426 (17.1)	462 (7.2)	485 (6.0)	500 (6.2)	527 (11.5)	482 (13.1)					
	Bulgaria	390 (14.9)	476 (18.2)	447 (5.0)	431 (6.5)	402 (11.7)	414 (6.2)					
	Colombia	415 (17.2)	440 (3.3)	423 (6.9)	409 (14.6)	421 (19.0)	380 (6.4)					
	Costa Rica	417 (8.9)	440 (3.3)	411 (19.3)	c	c	395 (15.8)					
	Croatia	455 (17.8)	455 (5.0)	467 (4.4)	390 (15.2)	c	399 (17.6)					
	Cyprus*	416 (12.5)	418 (3.9)	449 (3.4)	402 (5.6)	429 (13.4)	381 (6.3)					
	Dominican Republic	m	m	m	m	m	m					
	Hong Kong (China)	489 (16.1)	526 (3.5)	521 (14.2)	c	c	436 (18.3)					
	Lithuania	440 (7.5)	444 (10.2)	466 (3.4)	434 (8.0)	414 (14.4)	425 (7.2)					
	Macao (China)	437 (20.8)	521 (2.9)	526 (3.1)	460 (8.8)	428 (18.8)	448 (13.7)					
	Montenegro	401 (9.5)	416 (8.1)	419 (2.4)	418 (5.8)	395 (8.2)	389 (4.0)					
	Peru	433 (14.2)	430 (3.6)	417 (6.8)	398 (18.8)	354 (17.4)	376 (4.5)					
	Qatar	m	m	m	m	m	m					
	Russia	452 (18.7)	486 (13.4)	479 (6.8)	468 (4.6)	439 (10.6)	417 (8.3)					
	Singapore	536 (26.7)	575 (2.9)	543 (2.4)	528 (9.0)	490 (18.1)	451 (12.4)					
	Chinese Taipei	437 (16.6)	511 (7.4)	517 (4.3)	502 (9.9)	c	460 (13.2)					
	Thailand	402 (8.0)	432 (4.5)	405 (7.2)	376 (10.4)	371 (15.5)	359 (7.3)					
	Tunisia	384 (6.0)	394 (3.9)	368 (3.6)	367 (6.0)	369 (10.5)	363 (5.7)					
	United Arab Emirates	432 (8.8)	440 (4.7)	416 (4.8)	432 (7.5)	393 (9.6)	373 (4.6)					
	Uruguay	444 (7.7)	459 (8.9)	449 (3.9)	417 (10.6)	435 (13.8)	393 (5.4)					
	Malaysia**	425 (13.6)	443 (4.8)	428 (5.3)	405 (9.9)	416 (12.8)	387 (7.4)					

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 3/3]

Table V.6.1c Days of physical education class and performance in collaborative problem solving*Results based on students' self-reports*

	Performance in collaborative problem solving											
	Days of physical education class per week											
	Girls											
	0		1		2		3		4		5+	
	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.	Mean score	S.E.
OECD	Australia	560 (4.9)	575 (5.7)	557 (3.7)	551 (3.8)	542 (6.9)	495 (7.4)					
	Austria	476 (6.7)	535 (3.9)	514 (10.1)	483 (21.5)	503 (27.3)	471 (19.6)					
	Belgium	488 (16.1)	517 (3.6)	530 (4.6)	455 (15.0)	477 (16.8)	473 (17.7)					
	Canada	567 (4.5)	558 (6.7)	557 (5.7)	576 (4.3)	542 (7.3)	541 (3.7)					
	Chile	457 (16.1)	471 (4.1)	476 (6.3)	445 (13.7)	434 (12.3)	407 (7.2)					
	Czech Republic	490 (9.9)	520 (3.7)	518 (3.5)	508 (12.1)	470 (18.8)	469 (14.1)					
	Denmark	523 (15.3)	539 (3.3)	520 (5.9)	508 (10.9)	539 (22.5)	501 (12.5)					
	Estonia	541 (11.9)	554 (4.6)	550 (3.6)	501 (27.3)	c c	c c					
	Finland	586 (16.2)	571 (3.4)	558 (4.5)	541 (11.5)	510 (14.5)	491 (10.6)					
	France	490 (11.4)	529 (3.5)	471 (4.8)	492 (12.7)	c c	431 (12.0)					
	Germany	553 (20.2)	558 (3.1)	542 (6.8)	486 (16.8)	c c	465 (15.0)					
	Greece	465 (11.8)	490 (9.2)	487 (3.3)	437 (12.4)	426 (16.5)	435 (6.2)					
	Hungary	450 (17.9)	405 (16.4)	454 (17.8)	504 (5.2)	485 (6.1)	484 (5.3)					
	Iceland	501 (12.9)	517 (7.5)	519 (3.6)	525 (6.2)	500 (9.3)	472 (8.1)					
	Ireland	m m	m m	m m	m m	m m	m m					
	Israel	473 (9.1)	471 (8.9)	507 (6.0)	435 (14.2)	407 (12.3)	400 (6.3)					
	Italy	m m	m m	m m	m m	m m	m m					
	Japan	c c	581 (11.1)	571 (4.5)	561 (3.4)	545 (14.2)	c c					
	Korea	c c	548 (8.7)	560 (3.6)	543 (6.6)	529 (9.3)	c c					
	Latvia	509 (7.7)	511 (6.1)	510 (3.5)	480 (9.3)	c c	453 (13.3)					
	Luxembourg	457 (16.3)	517 (2.5)	494 (4.0)	486 (11.3)	500 (18.4)	466 (12.0)					
	Mexico	458 (5.4)	444 (5.2)	434 (4.5)	448 (6.9)	454 (10.5)	423 (7.3)					
	Netherlands	515 (11.5)	547 (3.7)	514 (5.8)	493 (12.2)	493 (19.8)	c c					
	New Zealand	571 (3.9)	558 (11.5)	555 (7.6)	554 (7.2)	537 (5.5)	524 (8.9)					
	Norway	c c	514 (4.9)	527 (3.9)	512 (9.0)	c c	c c					
	Poland	m m	m m	m m	m m	m m	m m					
	Portugal	c c	474 (9.7)	516 (2.8)	505 (10.2)	c c	455 (11.0)					
	Slovak Republic	469 (10.1)	480 (8.7)	486 (4.2)	479 (9.3)	419 (15.2)	418 (14.2)					
	Slovenia	c c	481 (4.8)	531 (3.5)	531 (4.4)	516 (15.6)	490 (12.8)					
	Spain	477 (20.5)	519 (8.4)	510 (2.5)	496 (22.0)	c c	c c					
	Sweden	497 (19.3)	558 (6.8)	531 (4.3)	529 (10.7)	524 (18.5)	494 (7.7)					
	Switzerland	m m	m m	m m	m m	m m	m m					
	Turkey	456 (13.2)	440 (5.0)	437 (6.2)	427 (14.4)	455 (11.9)	410 (5.2)					
	United Kingdom	515 (9.5)	542 (4.9)	551 (4.8)	533 (7.1)	514 (11.1)	460 (10.1)					
	United States	548 (4.8)	505 (13.9)	527 (12.2)	537 (7.6)	526 (11.5)	524 (7.0)					
	OECD average-32	504 (2.5)	517 (1.3)	517 (1.1)	502 (2.2)	494 (3.0)	466 (2.2)					
	OECD average-35	m m	m m	m m	m m	m m	m m					
Partners	Brazil	436 (6.2)	442 (4.3)	428 (3.3)	394 (9.3)	400 (14.9)	386 (4.5)					
	B-S-J-G (China)	483 (20.3)	481 (10.2)	507 (7.3)	518 (6.0)	541 (17.7)	515 (14.0)					
	Bulgaria	434 (16.2)	501 (14.8)	475 (4.6)	461 (5.9)	442 (15.4)	440 (8.1)					
	Colombia	417 (15.9)	445 (3.2)	429 (7.3)	420 (15.9)	395 (15.6)	392 (5.5)					
	Costa Rica	417 (9.4)	447 (3.2)	419 (11.5)	c c	c c	c c					
	Croatia	c c	481 (5.3)	491 (3.7)	c c	c c	c c					
	Cyprus*	458 (12.0)	469 (5.2)	477 (2.8)	438 (5.5)	449 (10.3)	431 (6.9)					
	Dominican Republic	m m	m m	m m	m m	m m	m m					
	Hong Kong (China)	523 (27.1)	562 (3.0)	543 (18.0)	c c	c c	c c					
	Lithuania	474 (8.8)	481 (8.9)	487 (3.0)	461 (13.6)	448 (34.0)	442 (12.3)					
	Macao (China)	c c	559 (3.0)	554 (3.0)	492 (18.3)	c c	497 (15.5)					
	Montenegro	442 (9.7)	442 (7.5)	442 (2.5)	442 (5.7)	409 (11.6)	405 (4.1)					
	Peru	435 (14.0)	438 (3.5)	431 (7.5)	409 (14.8)	371 (15.4)	370 (5.6)					
	Qatar	m m	m m	m m	m m	m m	m m					
	Russia	492 (14.5)	506 (12.8)	498 (6.7)	489 (4.3)	451 (15.6)	436 (9.5)					
	Singapore	556 (12.8)	582 (3.1)	566 (2.8)	590 (7.2)	544 (18.7)	c c					
	Chinese Taipei	c c	536 (6.6)	544 (4.3)	527 (11.7)	c c	515 (13.8)					
	Thailand	436 (8.3)	462 (4.1)	435 (8.3)	399 (12.5)	c c	383 (8.3)					
	Tunisia	404 (5.9)	405 (3.6)	378 (3.6)	366 (4.6)	385 (8.7)	366 (5.2)					
	United Arab Emirates	471 (8.4)	468 (4.8)	447 (3.6)	460 (9.2)	414 (10.7)	413 (6.4)					
	Uruguay	450 (5.3)	469 (7.0)	460 (3.6)	430 (10.1)	441 (17.0)	407 (6.4)					
	Malaysia**	440 (13.7)	460 (4.6)	446 (5.0)	443 (11.8)	456 (16.8)	417 (7.5)					

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.6.7a Accessing the Internet/chat/social networks and performance in collaborative problem solving*Results based on students' self-reports*

		Percentage of students who reported accessing the Internet/chat/social networks before or after school on the most recent school day		Performance in collaborative problem solving				Difference (accessing – not accessing the Internet/chat/social networks)							
				Performance in collaborative problem solving				Performance in collaborative problem solving				Relative performance in collaborative problem solving ²			
				Students who reported not accessing the Internet/chat/social networks before or after school		Students who reported accessing the Internet/chat/social networks before or after school		Before accounting for gender, and students' and schools' socio-economic profile ¹		After accounting for gender, and students' and schools' socio-economic profile		Before accounting for gender, and students' and schools' socio-economic profile		After accounting for gender, and students' and schools' socio-economic profile	
		%	S.E.	Mean score	S.E.	Mean score	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	94.3	(0.3)	542	(6.1)	536	(2.0)	-6	(6.3)	-14	(6.3)	5	(4.9)	3	(4.8)
	Austria	93.1	(0.3)	516	(7.6)	512	(2.7)	-5	(7.6)	-3	(7.0)	6	(5.6)	5	(5.5)
	Belgium	95.2	(0.3)	497	(5.3)	509	(2.5)	12	(5.2)	3	(4.8)	6	(3.6)	4	(3.5)
	Canada	91.7	(0.3)	546	(4.9)	539	(2.2)	-7	(4.5)	-13	(4.2)	15	(3.3)	10	(3.2)
	Chile	93.6	(0.4)	439	(7.3)	462	(2.9)	23	(7.8)	10	(7.6)	7	(6.7)	6	(6.9)
	Czech Republic	94.8	(0.4)	486	(7.5)	504	(2.2)	18	(8.0)	13	(7.7)	20	(7.1)	19	(7.1)
	Denmark	97.5	(0.3)	508	(10.5)	525	(2.5)	17	(10.9)	12	(10.1)	13	(6.5)	13	(6.5)
	Estonia	94.0	(0.4)	526	(7.8)	538	(2.5)	12	(7.7)	2	(6.7)	10	(5.6)	6	(5.4)
	Finland	96.8	(0.2)	513	(10.9)	538	(2.4)	25	(10.2)	11	(10.5)	12	(7.4)	10	(7.7)
	France	88.3	(0.5)	512	(5.1)	499	(2.5)	-13	(5.0)	-13	(4.5)	0	(3.4)	-1	(3.5)
	Germany	92.6	(0.5)	526	(8.4)	537	(3.6)	11	(8.4)	14	(8.0)	14	(6.6)	16	(6.6)
	Greece	93.1	(0.4)	459	(7.0)	462	(3.5)	4	(7.2)	-2	(6.8)	-3	(4.4)	-3	(4.5)
	Hungary	95.6	(0.4)	454	(9.8)	478	(2.5)	24	(9.8)	7	(8.0)	10	(6.2)	9	(5.9)
	Iceland	97.3	(0.3)	511	(11.8)	502	(2.2)	-9	(11.4)	-14	(11.4)	7	(8.3)	5	(8.2)
	Ireland	92.5	(0.4)	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	87.3	(1.3)	473	(10.8)	474	(3.4)	2	(10.1)	-3	(7.7)	5	(4.9)	3	(4.8)
	Italy	94.4	(0.4)	469	(7.0)	482	(2.6)	12	(7.2)	7	(6.5)	3	(5.0)	2	(4.8)
	Japan	84.5	(0.5)	545	(4.2)	555	(2.7)	10	(4.0)	9	(3.8)	1	(3.6)	2	(3.5)
	Korea	91.5	(0.6)	550	(6.1)	538	(2.5)	-12	(5.5)	-4	(5.2)	11	(3.8)	9	(3.8)
	Latvia	95.1	(0.4)	472	(7.4)	487	(2.3)	15	(7.3)	11	(7.3)	16	(5.6)	13	(5.6)
	Luxembourg	93.4	(0.3)	499	(6.8)	496	(1.6)	-3	(7.1)	1	(6.4)	6	(5.4)	6	(5.4)
	Mexico	83.9	(1.0)	410	(4.3)	443	(2.6)	33	(4.2)	3	(4.2)	6	(3.1)	1	(3.3)
	Netherlands	96.3	(0.3)	511	(9.5)	522	(2.4)	10	(9.4)	6	(8.4)	13	(5.9)	8	(6.0)
	New Zealand	93.0	(0.4)	545	(7.5)	538	(2.7)	-7	(7.8)	-10	(6.8)	16	(5.4)	15	(5.0)
	Norway	98.0	(0.2)	470	(12.7)	508	(2.5)	38	(12.9)	29	(12.8)	11	(9.5)	9	(9.7)
	Poland	94.9	(0.4)	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	94.6	(0.3)	497	(7.2)	500	(2.6)	3	(6.7)	0	(6.5)	10	(5.1)	10	(4.9)
	Slovak Republic	94.5	(0.3)	453	(8.1)	469	(2.4)	16	(7.8)	3	(7.2)	1	(6.8)	2	(6.6)
	Slovenia	82.5	(0.6)	513	(4.4)	503	(2.2)	-10	(5.2)	-8	(5.1)	9	(4.8)	7	(4.7)
	Spain	94.6	(0.3)	478	(6.0)	501	(2.2)	23	(5.7)	17	(5.6)	8	(4.4)	7	(4.5)
	Sweden	95.8	(0.3)	503	(10.6)	518	(3.4)	15	(9.7)	5	(8.0)	-6	(6.9)	-8	(7.0)
	Switzerland	93.5	(0.5)	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	83.7	(0.8)	412	(4.8)	426	(3.6)	14	(4.2)	-5	(4.0)	0	(2.6)	0	(2.6)
	United Kingdom	94.8	(0.3)	533	(8.6)	523	(2.7)	-10	(8.1)	-11	(7.2)	16	(5.8)	13	(5.5)
	United States	92.1	(0.4)	557	(6.5)	521	(3.6)	-35	(6.1)	-39	(5.8)	-8	(4.0)	-10	(3.9)
	OECD average-32	92.7	(0.1)	498	(1.4)	505	(0.5)	7	(1.4)	1	(1.3)	8	(1.0)	6	(1.0)
	OECD average-35	92.8	(0.1)	m	m	m	m	m	m	m	m	m	m	m	m
Partners	Brazil	89.8	(0.4)	388	(4.2)	427	(2.9)	39	(4.1)	13	(3.7)	10	(3.8)	7	(3.6)
	B-S-J-G (China)	74.0	(1.3)	514	(5.6)	490	(4.3)	-23	(5.6)	-16	(4.2)	9	(3.0)	11	(2.9)
	Bulgaria	94.0	(0.3)	434	(7.7)	457	(3.7)	23	(6.8)	4	(5.6)	7	(4.5)	4	(4.6)
	Colombia	85.6	(0.7)	402	(4.3)	438	(2.3)	36	(4.2)	7	(3.8)	12	(2.9)	7	(2.8)
	Costa Rica	91.4	(0.5)	416	(5.3)	443	(2.8)	26	(5.0)	6	(5.7)	-3	(5.1)	-4	(5.5)
	Croatia	96.9	(0.2)	459	(8.6)	475	(2.5)	17	(8.6)	14	(7.8)	12	(5.5)	10	(5.5)
	Cyprus*	93.9	(0.4)	424	(6.3)	451	(2.0)	27	(6.3)	16	(5.9)	5	(5.4)	4	(5.3)
	Dominican Republic	82.4	(0.9)	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	97.3	(0.2)	518	(10.2)	543	(2.9)	25	(10.3)	16	(9.9)	11	(8.6)	6	(8.6)
	Lithuania	95.5	(0.3)	442	(8.3)	472	(2.3)	30	(7.9)	18	(7.3)	13	(5.3)	11	(5.1)
	Macao (China)	98.0	(0.2)	518	(11.2)	535	(1.3)	17	(11.5)	12	(11.3)	13	(9.0)	12	(8.9)
	Montenegro	91.6	(0.4)	418	(4.9)	422	(1.5)	4	(5.2)	0	(5.0)	6	(4.6)	5	(4.6)
	Peru	75.1	(0.9)	412	(3.6)	440	(3.0)	28	(3.8)	-2	(3.0)	5	(2.3)	1	(2.3)
	Qatar	90.8	(0.3)	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	95.7	(0.3)	466	(8.8)	477	(3.4)	11	(8.7)	-3	(8.8)	6	(6.4)	2	(6.6)
	Singapore	93.6	(0.3)	572	(6.0)	561	(1.3)	-10	(6.5)	-12	(6.7)	8	(4.7)	6	(4.6)
	Chinese Taipei	91.1	(0.4)	542	(5.1)	525	(2.6)	-16	(5.4)	-2	(4.7)	12	(4.2)	13	(4.2)
	Thailand	95.0	(0.3)	409	(5.7)	439	(3.6)	30	(6.2)	6	(5.5)	6	(4.2)	2	(4.2)
	Tunisia	84.6	(0.8)	377	(3.3)	388	(2.3)	10	(3.6)	-4	(3.4)	2	(2.8)	-2	(2.9)
	United Arab Emirates	93.7	(0.3)	433	(6.4)	440	(2.5)	7	(5.7)	-4	(4.7)	9	(3.8)	7	(3.8)
	Uruguay	94.4	(0.4)	419	(6.7)	451	(2.7)	33	(7.3)	14	(6.9)	7	(5.1)	7	(5.1)
	Malaysia**	87.2	(0.7)	441	(6.8)	441	(3.3)	0	(6.2)	-4	(4.8)	7	(3.3)	7	(3.4)

1. The socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Relative performance refers to the residual performance, attributable to purely "collaborative problem-solving" competencies, after accounting for science, reading and mathematics performance in a regression performed across students at a national level. Whether students reported accessing the Internet, chat, or social networks outside of school was included as an explanatory variable in this regression.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.6.7c Meeting friends/talking to friends on the phone and performance in collaborative problem solving*Results based on students' self-reports*

		Percentage of students who reported meeting friends or talking to friends on the phone before or after school on the most recent school day		Performance in collaborative problem solving				Difference (meeting/talking to friends – not meeting/talking to friends)							
				Performance in collaborative problem solving				Performance in collaborative problem solving				Relative performance in collaborative problem solving ²			
				Students who reported neither meeting friends nor talking to friends before or after school		Students who reported meeting friends or talking to friends before or after school		Before accounting for gender, and students' and schools' socio-economic profile ¹		After accounting for gender, and students' and schools' socio-economic profile		Before accounting for gender, and students' and schools' socio-economic profile		After accounting for gender, and students' and schools' socio-economic profile	
		%	S.E.	Mean score	S.E.	Mean score	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	76.0	(0.5)	563	(3.5)	527	(2.1)	-36	(3.9)	-36	(3.8)	-2	(3.5)	-3	(3.5)
	Austria	80.4	(0.7)	540	(3.6)	505	(2.9)	-34	(3.8)	-24	(3.7)	-4	(2.8)	-5	(2.8)
	Belgium	81.4	(0.5)	534	(3.4)	503	(2.6)	-31	(3.6)	-26	(3.4)	-5	(2.7)	-6	(2.6)
	Canada	79.8	(0.4)	563	(3.7)	534	(2.3)	-29	(3.7)	-33	(3.7)	3	(3.5)	1	(3.5)
	Chile	76.7	(0.6)	478	(4.1)	456	(3.1)	-22	(4.2)	-22	(4.0)	-1	(3.8)	-2	(3.8)
	Czech Republic	85.5	(0.5)	520	(3.9)	500	(2.3)	-20	(4.4)	-15	(4.3)	0	(4.0)	0	(4.1)
	Denmark	78.6	(0.6)	540	(3.9)	520	(2.6)	-20	(4.1)	-23	(3.9)	3	(3.0)	3	(2.9)
	Estonia	80.5	(0.7)	554	(4.5)	533	(2.5)	-22	(4.4)	-22	(4.3)	2	(3.6)	2	(3.6)
	Finland	83.0	(0.5)	555	(4.9)	533	(2.6)	-21	(4.8)	-21	(4.5)	1	(3.1)	2	(3.2)
	France	83.2	(0.5)	515	(4.1)	498	(2.6)	-17	(4.0)	-16	(3.9)	0	(3.0)	-2	(3.0)
	Germany	78.5	(0.9)	550	(5.1)	532	(3.6)	-18	(4.7)	-9	(4.0)	3	(3.6)	5	(3.4)
	Greece	88.6	(0.5)	480	(6.0)	460	(3.4)	-20	(5.6)	-13	(4.8)	1	(3.8)	0	(3.7)
	Hungary	88.9	(0.5)	504	(5.2)	474	(2.6)	-31	(5.1)	-20	(4.8)	-2	(3.7)	-2	(3.6)
	Iceland	82.9	(0.7)	526	(4.7)	498	(2.4)	-27	(5.0)	-29	(5.0)	-5	(3.9)	-4	(4.0)
	Ireland	81.2	(0.6)	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	91.9	(0.4)	470	(7.2)	475	(3.7)	5	(6.8)	-3	(6.1)	2	(4.4)	0	(4.3)
	Italy	93.4	(0.4)	483	(5.9)	481	(2.6)	-2	(5.7)	-2	(5.1)	6	(3.8)	3	(3.9)
	Japan	73.7	(0.6)	578	(3.0)	545	(2.7)	-34	(3.0)	-25	(2.7)	-3	(2.1)	-3	(2.2)
	Korea	76.3	(0.8)	562	(3.3)	531	(2.6)	-31	(3.1)	-25	(2.8)	2	(2.3)	1	(2.1)
	Latvia	88.8	(0.5)	501	(4.8)	484	(2.3)	-17	(5.0)	-16	(4.8)	1	(4.0)	1	(3.9)
	Luxembourg	83.6	(0.6)	519	(4.1)	492	(1.6)	-27	(4.5)	-17	(3.9)	3	(3.2)	2	(3.1)
	Mexico	66.2	(0.7)	442	(3.5)	436	(2.8)	-6	(3.1)	-12	(2.9)	-1	(2.2)	-2	(2.3)
	Netherlands	82.1	(0.6)	546	(4.7)	516	(2.5)	-30	(4.6)	-23	(4.5)	-3	(3.3)	-4	(3.4)
	New Zealand	73.6	(0.8)	564	(4.3)	529	(2.8)	-35	(4.7)	-33	(4.3)	2	(3.9)	1	(3.9)
	Norway	86.1	(0.6)	530	(5.5)	504	(2.7)	-26	(6.1)	-30	(5.9)	-6	(5.3)	-6	(5.5)
	Poland	87.4	(0.5)	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	85.7	(0.6)	522	(3.6)	496	(2.7)	-26	(3.4)	-27	(3.3)	0	(2.8)	-1	(2.8)
	Slovak Republic	90.7	(0.4)	478	(6.1)	467	(2.3)	-11	(5.6)	-8	(5.0)	-2	(4.8)	-1	(4.5)
	Slovenia	62.3	(0.7)	516	(3.1)	499	(2.7)	-17	(4.5)	-11	(4.4)	9	(4.3)	7	(4.3)
	Spain	77.3	(0.7)	520	(3.2)	493	(2.3)	-27	(3.0)	-21	(2.9)	-1	(2.1)	-2	(2.0)
	Sweden	81.4	(0.7)	539	(4.8)	513	(3.5)	-26	(4.1)	-30	(3.6)	-1	(2.9)	-3	(2.8)
	Switzerland	80.5	(0.7)	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	83.9	(0.7)	427	(4.9)	423	(3.5)	-4	(3.9)	-11	(3.4)	-3	(2.6)	-3	(2.4)
	United Kingdom	82.5	(0.6)	562	(4.4)	516	(2.7)	-46	(3.8)	-39	(3.8)	-1	(3.0)	-1	(2.9)
	United States	85.5	(0.5)	557	(5.8)	519	(3.5)	-38	(5.0)	-40	(4.5)	-6	(4.0)	-7	(3.8)
	OECD average-32	81.5	(0.1)	523	(0.8)	500	(0.5)	-23	(0.8)	-21	(0.7)	0	(0.6)	-1	(0.6)
	OECD average-35	81.7	(0.1)	m	m	m	m	m	m	m	m	m	m	m	m
Partners	Brazil	84.3	(0.5)	424	(4.1)	423	(2.9)	-1	(3.5)	-8	(3.3)	0	(3.1)	-2	(3.0)
	B-5-J-G (China)	69.2	(1.0)	515	(4.6)	488	(4.3)	-27	(4.0)	-18	(3.1)	4	(2.7)	6	(2.8)
	Bulgaria	91.1	(0.5)	464	(7.9)	455	(3.7)	-9	(6.9)	-11	(5.7)	3	(5.0)	2	(5.0)
	Colombia	70.5	(0.6)	442	(3.1)	429	(2.5)	-13	(2.9)	-16	(2.5)	0	(2.2)	-1	(2.0)
	Costa Rica	84.2	(0.5)	452	(5.0)	438	(2.8)	-13	(4.6)	-16	(4.1)	-6	(3.6)	-6	(3.6)
	Croatia	82.9	(0.5)	489	(4.0)	472	(2.6)	-17	(4.1)	-13	(3.7)	5	(3.5)	4	(3.4)
	Cyprus*	91.4	(0.4)	442	(5.8)	450	(2.0)	8	(6.1)	5	(5.5)	9	(4.3)	8	(4.3)
	Dominican Republic	81.9	(0.7)	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	82.8	(0.5)	557	(4.6)	539	(2.9)	-18	(4.1)	-15	(4.1)	0	(3.4)	2	(3.4)
	Lithuania	91.1	(0.4)	490	(5.3)	469	(2.4)	-21	(5.0)	-18	(4.4)	1	(3.4)	2	(3.3)
	Macao (China)	85.5	(0.6)	554	(4.0)	531	(1.4)	-23	(4.4)	-24	(4.4)	0	(3.5)	1	(3.5)
	Montenegro	91.1	(0.4)	418	(5.6)	423	(1.5)	5	(6.1)	-1	(5.8)	4	(5.1)	3	(5.0)
	Peru	67.2	(0.8)	451	(3.4)	425	(2.8)	-26	(2.8)	-24	(2.6)	-6	(2.0)	-7	(2.0)
	Qatar	86.6	(0.4)	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	90.0	(0.5)	502	(6.4)	474	(3.5)	-28	(6.3)	-24	(5.6)	-2	(4.8)	-2	(4.7)
	Singapore	75.9	(0.7)	582	(3.1)	555	(1.7)	-27	(4.0)	-23	(3.5)	0	(2.7)	1	(2.7)
	Chinese Taipei	74.7	(0.6)	551	(3.3)	519	(2.6)	-32	(3.0)	-20	(2.6)	4	(2.3)	6	(2.2)
	Thailand	85.4	(0.6)	466	(5.0)	433	(3.5)	-34	(4.1)	-34	(3.8)	-9	(3.3)	-11	(3.1)
	Tunisia	88.3	(0.5)	390	(3.7)	386	(2.2)	-4	(3.6)	-8	(3.5)	-3	(3.0)	-4	(3.0)
	United Arab Emirates	88.4	(0.4)	467	(4.5)	437	(2.5)	-30	(3.8)	-25	(3.6)	-2	(3.1)	-2	(3.0)
	Uruguay	85.1	(0.5)	449	(4.9)	450	(2.7)	0	(4.9)	-8	(4.6)	1	(3.5)	0	(3.4)
	Malaysia**	82.3	(0.7)	455	(4.4)	438	(3.4)	-17	(3.8)	-12	(3.4)	7	(2.7)	7	(2.7)

1. The socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Relative performance refers to the residual performance, attributable to purely "collaborative problem-solving" competencies, after accounting for science, reading and mathematics performance in a regression performed across students at a national level. Whether students reported meeting friends or talking to friends outside of school was included as an explanatory variable in this regression.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.6.9a Skipping a whole day of school and performance in collaborative problem solving*Results based on students' self-reports*

		Percentage of students who reported that they had skipped a whole day of school at least once in the two weeks prior to the PISA test	Performance in collaborative problem solving				Difference (skipped – had not skipped)							
							Performance in collaborative problem solving				Relative performance in collaborative problem solving ²			
			Had not skipped a whole day of school		Had skipped a whole day of school at least once		Before accounting for gender, and students' and schools' socio-economic profile ¹		After accounting for gender, and students' and schools' socio-economic profile		Before accounting for gender, and students' and schools' socio-economic profile		After accounting for gender, and students' and schools' socio-economic profile	
			Mean score	S.E.	Mean score	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	29.0 (0.6)	542 (2.0)	517 (3.1)	-25 (3.2)	-21 (3.2)	2 (2.6)	1 (2.6)						
	Austria	10.9 (0.5)	515 (2.6)	479 (5.5)	-36 (5.9)	-29 (5.8)	-11 (4.3)	-10 (4.1)						
	Belgium	7.1 (0.3)	511 (2.3)	452 (5.8)	-59 (5.7)	-34 (4.6)	-7 (3.9)	-5 (3.8)						
	Canada	17.8 (0.5)	544 (2.3)	511 (3.7)	-33 (3.7)	-28 (3.5)	0 (3.0)	-1 (3.0)						
	Chile	9.3 (0.6)	463 (2.8)	421 (5.2)	-42 (5.6)	-33 (5.2)	-6 (3.9)	-5 (3.8)						
	Czech Republic	8.1 (0.4)	505 (2.0)	465 (6.0)	-40 (5.4)	-29 (4.9)	-7 (4.4)	-7 (4.3)						
	Denmark	17.0 (0.6)	529 (2.5)	497 (4.4)	-32 (4.3)	-26 (4.1)	6 (3.8)	7 (3.7)						
	Estonia	23.0 (0.8)	545 (2.6)	509 (3.8)	-35 (3.6)	-28 (3.5)	-3 (2.9)	-3 (2.9)						
	Finland	36.6 (0.9)	542 (2.9)	525 (3.4)	-18 (3.7)	-16 (3.4)	1 (2.8)	0 (2.8)						
	France	10.8 (0.6)	506 (2.5)	445 (5.4)	-61 (6.0)	-32 (5.3)	-5 (4.2)	-2 (4.2)						
	Germany	8.9 (0.4)	540 (2.9)	497 (7.0)	-43 (7.0)	-32 (6.0)	-3 (5.2)	-3 (5.2)						
	Greece	19.6 (0.8)	469 (3.3)	425 (5.0)	-44 (4.0)	-33 (3.7)	-5 (2.8)	-3 (2.9)						
	Hungary	8.4 (0.5)	478 (2.4)	423 (5.9)	-55 (5.8)	-23 (5.5)	-2 (4.4)	0 (4.4)						
	Iceland	4.5 (0.4)	504 (2.3)	452 (9.8)	-52 (9.8)	-45 (9.7)	7 (7.0)	7 (7.0)						
	Ireland	24.4 (0.8)	m	m	m	m	m	m						
	Israel	32.7 (0.9)	475 (4.0)	467 (4.3)	-8 (4.0)	-7 (3.3)	3 (2.9)	3 (2.8)						
	Italy	55.2 (0.8)	493 (2.8)	469 (3.1)	-23 (3.3)	-14 (3.0)	0 (2.6)	1 (2.5)						
	Japan	1.8 (0.2)	554 (2.6)	485 (13.9)	-68 (13.6)	-46 (13.5)	-7 (10.3)	-5 (10.2)						
	Korea	1.9 (0.2)	540 (2.5)	460 (10.6)	-80 (10.8)	-61 (10.0)	-6 (7.8)	-4 (7.8)						
	Latvia	24.7 (0.7)	496 (2.4)	457 (3.1)	-39 (3.4)	-31 (3.1)	-2 (2.4)	-1 (2.3)						
	Luxembourg	11.4 (0.4)	501 (1.6)	449 (4.0)	-52 (4.2)	-35 (4.0)	-7 (2.9)	-6 (2.9)						
	Mexico	25.8 (0.8)	440 (2.6)	419 (3.6)	-21 (3.5)	-18 (3.2)	1 (3.3)	2 (3.3)						
	Netherlands	5.3 (0.3)	524 (2.4)	468 (6.9)	-57 (6.8)	-42 (6.6)	-4 (6.2)	-4 (6.0)						
	New Zealand	25.0 (0.7)	545 (2.7)	510 (4.1)	-35 (4.2)	-26 (4.0)	-1 (3.0)	-1 (3.0)						
	Norway	13.5 (0.5)	510 (2.5)	474 (4.5)	-36 (4.3)	-34 (4.1)	2 (3.5)	3 (3.4)						
	Poland	20.3 (0.9)	m	m	m	m	m	m						
	Portugal	20.8 (0.7)	506 (2.5)	474 (4.2)	-32 (3.6)	-26 (3.3)	1 (3.0)	1 (2.9)						
	Slovak Republic	51.1 (1.0)	476 (2.8)	458 (3.1)	-19 (3.4)	-13 (3.1)	1 (2.6)	0 (2.6)						
	Slovenia	12.4 (0.5)	511 (1.8)	446 (4.4)	-66 (4.6)	-42 (4.4)	-9 (3.5)	-7 (3.5)						
	Spain	24.7 (0.7)	504 (2.3)	480 (3.3)	-25 (3.1)	-20 (3.0)	2 (2.4)	2 (2.3)						
	Sweden	9.0 (0.5)	519 (3.4)	470 (5.1)	-49 (5.3)	-41 (4.9)	3 (3.6)	2 (3.6)						
	Switzerland	9.6 (0.6)	m	m	m	m	m	m						
	Turkey	47.0 (0.9)	423 (3.8)	423 (3.8)	0 (3.0)	-3 (2.2)	-4 (1.7)	-2 (1.6)						
	United Kingdom	25.5 (0.6)	529 (2.7)	502 (4.5)	-27 (4.4)	-20 (3.7)	1 (2.7)	0 (2.7)						
	United States	37.2 (0.8)	533 (3.6)	507 (4.2)	-27 (3.3)	-22 (3.2)	-1 (2.2)	-1 (2.1)						
	OECD average-32	19.9 (0.1)	509 (0.5)	470 (1.0)	-39 (1.0)	-29 (0.9)	-2 (0.7)	-1 (0.7)						
	OECD average-35	19.7 (0.1)	m	m	m	m	m	m						
Partners	Brazil	48.0 (0.6)	423 (2.9)	417 (2.7)	-7 (2.7)	-4 (2.6)	1 (2.3)	1 (2.2)						
	B-S-J-G (China)	2.3 (0.2)	498 (4.0)	425 (9.8)	-73 (9.9)	-39 (8.8)	9 (7.5)	14 (7.0)						
	Bulgaria	44.7 (0.9)	462 (3.8)	435 (4.2)	-26 (3.7)	-15 (2.6)	-1 (1.8)	-1 (1.8)						
	Colombia	43.8 (0.8)	437 (2.7)	422 (2.5)	-15 (2.6)	-12 (2.4)	1 (1.8)	1 (1.8)						
	Costa Rica	39.1 (0.9)	445 (2.7)	429 (3.3)	-16 (3.1)	-11 (2.6)	1 (2.1)	0 (2.1)						
	Croatia	12.3 (0.6)	481 (2.5)	426 (4.4)	-54 (4.3)	-39 (4.0)	-5 (2.8)	-4 (2.8)						
	Cyprus*	23.4 (0.6)	455 (2.1)	421 (2.9)	-34 (3.4)	-31 (3.3)	-1 (3.3)	2 (3.3)						
	Dominican Republic	51.4 (0.9)	m	m	m	m	m	m						
	Hong Kong (China)	3.5 (0.2)	543 (3.0)	497 (10.1)	-46 (10.3)	-38 (10.0)	4 (7.1)	8 (6.7)						
	Lithuania	22.3 (0.7)	480 (2.5)	434 (3.7)	-45 (3.6)	-33 (3.4)	-2 (2.3)	-1 (2.3)						
	Macao (China)	6.4 (0.4)	537 (1.2)	490 (6.6)	-47 (6.6)	-48 (6.5)	-8 (4.9)	-5 (4.9)						
	Montenegro	59.6 (0.8)	423 (2.1)	418 (1.7)	-5 (2.6)	-5 (2.5)	1 (2.5)	1 (2.4)						
	Peru	40.0 (0.8)	423 (2.8)	420 (3.0)	-3 (2.9)	-9 (2.6)	2 (2.1)	1 (2.1)						
	Qatar	40.3 (0.5)	m	m	m	m	m	m						
	Russia	23.2 (0.7)	477 (3.6)	470 (5.1)	-7 (4.9)	-8 (4.5)	2 (3.6)	1 (3.4)						
	Singapore	14.3 (0.5)	565 (1.3)	543 (4.1)	-22 (4.5)	-18 (4.3)	-1 (3.0)	-1 (3.1)						
	Chinese Taipei	3.2 (0.2)	530 (2.5)	438 (7.6)	-92 (7.6)	-65 (7.5)	-5 (6.4)	-2 (6.2)						
	Thailand	31.4 (0.9)	445 (3.7)	420 (3.6)	-25 (3.0)	-18 (2.8)	-3 (1.8)	-1 (1.8)						
	Tunisia	31.0 (0.9)	389 (2.3)	371 (2.4)	-18 (2.6)	-13 (2.2)	-3 (2.0)	-1 (1.9)						
	United Arab Emirates	21.0 (0.7)	438 (2.8)	441 (4.6)	3 (5.1)	-2 (4.5)	4 (3.6)	3 (3.5)						
	Uruguay	51.5 (0.8)	448 (3.0)	446 (2.6)	-2 (3.2)	8 (2.8)	9 (2.6)	9 (2.4)						
	Malaysia**	12.4 (0.7)	442 (3.3)	425 (6.1)	-17 (5.4)	-18 (4.5)	1 (3.6)	2 (3.4)						

1. The socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Relative performance refers to the residual performance, attributable to purely "collaborative problem-solving" competencies, after accounting for science, reading and mathematics performance in a regression performed across students at a national level. Whether students reported having skipped a full day of school in the two weeks prior to the PISA test was included as an explanatory variable in this regression.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.6.9b Skipping some classes and performance in collaborative problem solving

Results based on students' self-reports

		Percentage of students who reported that they had skipped class at least once in the two weeks prior to the PISA test		Performance in collaborative problem solving				Difference (skipped at least once - had not skipped)							
								Performance in collaborative problem solving				Relative performance in collaborative problem solving ²			
				Had not skipped any classes		Had skipped class at least once		Before accounting for gender, and students' and schools' socio-economic profile ¹		After accounting for gender, and students' and schools' socio-economic profile		Before accounting for gender, and students' and schools' socio-economic profile		After accounting for gender, and students' and schools' socio-economic profile	
								Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	16.0	(0.4)	541	(1.9)	503	(4.1)	-38	(4.1)	-32	(4.0)	-1	(3.1)	-1	(3.1)
	Austria	17.2	(0.7)	515	(2.6)	495	(4.5)	-20	(4.5)	-22	(4.1)	-9	(3.4)	-8	(3.2)
	Belgium	11.7	(0.6)	513	(2.3)	460	(4.9)	-53	(4.9)	-32	(4.0)	-6	(3.3)	-4	(3.2)
	Canada	26.5	(0.7)	546	(2.3)	517	(3.2)	-29	(2.8)	-25	(2.7)	4	(1.9)	3	(1.9)
	Chile	18.7	(0.8)	464	(2.9)	438	(4.1)	-27	(4.5)	-22	(4.1)	-8	(3.6)	-7	(3.6)
	Czech Republic	9.6	(0.5)	504	(2.0)	480	(5.5)	-25	(5.2)	-20	(5.0)	-5	(4.1)	-5	(4.0)
	Denmark	24.0	(0.8)	530	(2.6)	502	(4.0)	-28	(3.9)	-27	(3.7)	2	(3.0)	1	(3.0)
	Estonia	34.9	(0.8)	549	(2.8)	513	(3.2)	-37	(3.2)	-32	(3.2)	-5	(2.6)	-3	(2.6)
	Finland	48.2	(0.9)	539	(3.1)	532	(3.0)	-7	(3.4)	-10	(3.2)	2	(2.6)	0	(2.6)
	France	24.8	(0.8)	509	(2.6)	470	(3.9)	-39	(4.3)	-23	(3.7)	-3	(2.7)	-2	(2.7)
	Germany	15.7	(0.7)	540	(2.8)	514	(6.1)	-26	(5.9)	-29	(4.6)	-5	(4.0)	-5	(3.9)
	Greece	45.3	(1.4)	475	(3.5)	442	(4.4)	-34	(4.0)	-22	(3.2)	-3	(2.3)	-1	(2.3)
	Hungary	17.7	(0.8)	482	(2.6)	433	(4.7)	-49	(5.2)	-22	(4.1)	1	(3.1)	2	(3.0)
	Iceland	18.5	(0.7)	510	(2.5)	466	(4.7)	-44	(5.3)	-40	(5.3)	1	(4.2)	2	(4.2)
	Ireland	23.1	(0.8)	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	38.0	(1.1)	469	(4.0)	479	(4.7)	11	(5.1)	3	(4.1)	6	(2.5)	7	(2.5)
	Italy	40.9	(0.7)	492	(2.7)	463	(3.5)	-29	(3.6)	-23	(3.3)	-7	(3.1)	-5	(3.1)
	Japan	3.1	(0.3)	554	(2.6)	503	(9.3)	-51	(9.2)	-30	(8.7)	7	(7.0)	7	(6.9)
	Korea	2.6	(0.3)	541	(2.5)	464	(8.9)	-77	(9.1)	-57	(8.4)	-5	(5.7)	-3	(5.7)
	Latvia	39.1	(0.9)	495	(2.4)	473	(3.1)	-22	(3.2)	-20	(3.1)	-1	(2.8)	0	(2.8)
	Luxembourg	15.3	(0.5)	500	(1.6)	463	(4.1)	-38	(4.2)	-33	(4.0)	-6	(3.4)	-5	(3.3)
	Mexico	24.9	(0.8)	436	(2.7)	431	(3.5)	-5	(3.5)	-9	(2.9)	2	(2.4)	1	(2.5)
	Netherlands	18.9	(0.8)	526	(2.7)	499	(4.4)	-28	(5.1)	-23	(4.2)	-4	(3.5)	-2	(3.5)
	New Zealand	22.6	(0.7)	545	(2.7)	508	(4.4)	-38	(4.8)	-31	(4.4)	2	(3.2)	0	(3.1)
	Norway	19.7	(0.7)	512	(2.6)	479	(4.6)	-33	(4.6)	-32	(4.6)	3	(4.1)	3	(4.1)
	Poland	37.4	(1.2)	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	32.9	(0.7)	509	(2.6)	481	(3.6)	-28	(3.1)	-22	(2.8)	-1	(2.8)	0	(2.7)
	Slovak Republic	49.7	(0.8)	478	(2.7)	456	(3.1)	-22	(3.4)	-18	(2.9)	2	(2.4)	2	(2.4)
	Slovenia	29.1	(0.8)	515	(2.1)	475	(3.2)	-40	(3.5)	-22	(3.2)	-3	(2.8)	0	(2.8)
	Spain	33.5	(0.9)	503	(2.5)	490	(2.8)	-12	(3.1)	-12	(2.9)	3	(2.3)	3	(2.2)
	Sweden	16.3	(0.7)	522	(3.3)	476	(5.1)	-46	(4.6)	-41	(4.5)	-2	(3.7)	-3	(3.6)
	Switzerland	17.3	(0.8)	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	44.6	(1.0)	423	(3.8)	424	(3.9)	1	(3.4)	-1	(2.4)	-4	(2.3)	-3	(2.1)
	United Kingdom	33.9	(0.8)	526	(2.9)	514	(3.6)	-12	(3.5)	-14	(3.4)	1	(3.0)	0	(2.9)
	United States	42.2	(1.1)	531	(3.8)	514	(4.4)	-17	(4.0)	-16	(3.7)	2	(3.2)	1	(3.0)
	OECD average-32	26.1	(0.1)	509	(0.5)	480	(0.8)	-29	(0.8)	-24	(0.7)	-1	(0.6)	-1	(0.6)
	OECD average-35	26.1	(0.1)	m	m	m	m	m	m	m	m	m	m	m	m
Partners	Brazil	46.0	(0.6)	433	(2.6)	405	(2.6)	-28	(2.2)	-21	(2.1)	0	(1.7)	0	(1.7)
	B-S-J-G (China)	10.1	(0.5)	502	(3.9)	449	(6.0)	-53	(5.4)	-32	(4.8)	-4	(3.5)	-1	(3.5)
	Bulgaria	47.5	(1.2)	468	(4.0)	431	(4.0)	-37	(4.1)	-18	(3.0)	-1	(2.3)	0	(2.3)
	Colombia	45.5	(0.8)	435	(2.5)	425	(2.8)	-9	(2.8)	-8	(2.7)	4	(2.3)	4	(2.3)
	Costa Rica	43.3	(0.9)	444	(2.8)	433	(3.3)	-11	(3.3)	-8	(3.0)	-1	(2.7)	-1	(2.6)
	Croatia	24.5	(0.8)	483	(2.5)	447	(3.8)	-35	(3.5)	-25	(3.1)	-4	(2.1)	-2	(2.1)
	Cyprus*	39.3	(0.7)	462	(2.1)	425	(2.7)	-37	(3.2)	-26	(3.1)	0	(3.0)	1	(3.1)
	Dominican Republic	55.5	(1.1)	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	5.2	(0.3)	544	(2.9)	507	(8.2)	-37	(7.9)	-33	(7.2)	-3	(4.8)	0	(4.6)
	Lithuania	40.4	(0.9)	481	(2.3)	452	(3.2)	-29	(3.0)	-24	(2.9)	-2	(1.8)	-1	(1.8)
	Macao (China)	9.4	(0.4)	537	(1.3)	505	(5.7)	-32	(5.9)	-33	(5.8)	-8	(4.1)	-6	(4.0)
	Montenegro	54.9	(0.7)	429	(1.9)	412	(1.9)	-17	(2.8)	-15	(2.7)	0	(2.6)	1	(2.6)
	Peru	41.1	(0.7)	427	(2.8)	414	(3.2)	-12	(3.1)	-14	(2.7)	-1	(2.0)	-2	(2.1)
	Qatar	34.8	(0.4)	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	38.6	(1.2)	481	(3.3)	466	(4.6)	-15	(3.8)	-17	(3.3)	0	(3.1)	-1	(2.9)
	Singapore	13.5	(0.5)	563	(1.3)	556	(3.9)	-7	(4.4)	-9	(4.0)	-5	(3.2)	-4	(3.2)
	Chinese Taipei	10.6	(0.5)	532	(2.4)	479	(5.6)	-53	(5.1)	-39	(4.1)	-1	(3.7)	3	(3.5)
	Thailand	41.9	(1.1)	438	(3.5)	436	(4.6)	-1	(4.1)	-2	(3.0)	1	(2.3)	2	(2.0)
	Tunisia	42.4	(0.9)	386	(2.4)	382	(2.2)	-4	(2.5)	-4	(2.4)	-3	(2.0)	-1	(1.9)
	United Arab Emirates	33.1	(0.7)	444	(2.9)	428	(3.0)	-16	(3.2)	-11	(3.1)	-1	(2.5)	0	(2.5)
	Uruguay	40.3	(0.9)	455	(2.6)	436	(3.2)	-20	(3.8)	-13	(3.5)	1	(2.8)	1	(2.8)
	Malaysia**	22.9	(0.9)	441	(3.3)	438	(4.6)	-3	(3.7)	-4	(3.0)	3	(2.2)	4	(2.0)

1. The socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Relative performance refers to the residual performance, attributable to purely "collaborative problem-solving" competencies, after accounting for science, reading and mathematics performance in a regression performed across students at a national level. Whether students reported having skipped class at least once in the two weeks prior to the PISA test was included as an explanatory variable in this regression.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.6.9c Arriving late for school and performance in collaborative problem solving*Results based on students' self-reports*

		Percentage of students who reported that they had arrived late for school at least once in the two weeks prior to the PISA test	Performance in collaborative problem solving				Difference (had arrived late at least once – had not arrived late)							
							Performance in collaborative problem solving				Relative performance in collaborative problem solving ²			
			Had not arrived late		Had arrived late for school at least once		Before accounting for gender, and students' and schools' socio-economic profile ¹		After accounting for gender, and students' and schools' socio-economic profile		Before accounting for gender, and students' and schools' socio-economic profile		After accounting for gender, and students' and schools' socio-economic profile	
		% S.E.	Mean score S.E.	Mean score S.E.	Mean score S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.
OECD	Australia	41.0 (0.6)	548 (2.2)	517 (2.5)		-31 (2.9)		-25 (2.8)		-4 (2.3)		-4 (2.3)		
	Austria	35.2 (1.0)	520 (2.9)	496 (3.5)		-24 (3.9)		-21 (3.6)		-6 (2.7)		-4 (2.6)		
	Belgium	51.5 (0.9)	527 (2.6)	488 (2.9)		-40 (2.9)		-27 (2.4)		-5 (1.8)		-3 (1.8)		
	Canada	47.7 (0.8)	552 (2.4)	523 (2.6)		-29 (2.5)		-24 (2.4)		0 (2.1)		2 (2.1)		
	Chile	66.7 (0.9)	474 (3.8)	452 (2.5)		-22 (3.1)		-16 (2.7)		-2 (2.0)		-1 (1.9)		
	Czech Republic	52.0 (0.9)	516 (2.3)	489 (2.9)		-28 (3.2)		-19 (2.8)		-4 (2.1)		-2 (2.1)		
	Denmark	47.6 (0.9)	529 (2.7)	517 (3.2)		-13 (3.2)		-11 (3.1)		-1 (2.4)		1 (2.3)		
	Estonia	42.9 (0.9)	543 (2.8)	528 (3.3)		-16 (3.6)		-16 (3.5)		1 (2.9)		3 (2.9)		
	Finland	36.2 (0.9)	546 (2.7)	519 (3.6)		-27 (3.6)		-23 (3.3)		-3 (2.6)		1 (2.6)		
	France	52.6 (0.9)	521 (2.7)	479 (2.9)		-42 (3.3)		-27 (2.8)		-5 (2.4)		-4 (2.3)		
	Germany	40.1 (1.0)	547 (3.2)	519 (3.7)		-28 (3.9)		-23 (3.2)		-4 (2.5)		-2 (2.4)		
	Greece	54.2 (0.8)	465 (3.6)	457 (3.9)		-8 (3.0)		-8 (2.8)		1 (2.1)		2 (2.1)		
	Hungary	35.8 (0.9)	486 (2.9)	452 (3.2)		-34 (3.9)		-14 (3.3)		-1 (2.7)		0 (2.6)		
	Iceland	50.0 (1.0)	513 (3.1)	490 (2.7)		-22 (3.8)		-20 (3.8)		-3 (2.6)		-1 (2.6)		
	Ireland	31.1 (0.9)	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	57.9 (1.1)	478 (4.4)	469 (3.9)		-9 (3.9)		-2 (3.4)		3 (2.1)		4 (2.0)		
	Italy	36.2 (0.9)	489 (2.5)	464 (3.6)		-25 (3.3)		-17 (2.9)		-1 (2.2)		1 (2.1)		
	Japan	11.7 (0.6)	555 (2.7)	534 (5.7)		-21 (5.6)		-10 (4.8)		4 (4.0)		7 (4.1)		
	Korea	19.4 (1.0)	546 (2.6)	509 (3.7)		-37 (3.4)		-28 (3.0)		-1 (2.3)		-1 (2.2)		
	Latvia	53.1 (1.0)	489 (2.8)	485 (2.8)		-4 (3.4)		-7 (3.0)		1 (2.4)		2 (2.5)		
	Luxembourg	54.3 (0.7)	509 (2.0)	482 (2.3)		-28 (3.1)		-24 (2.8)		-5 (2.6)		-3 (2.5)		
	Mexico	48.9 (0.9)	437 (3.1)	432 (2.7)		-5 (3.0)		-7 (2.6)		3 (2.0)		3 (2.0)		
	Netherlands	51.0 (0.8)	542 (2.8)	501 (2.9)		-40 (3.0)		-23 (2.5)		-4 (2.1)		-2 (2.2)		
	New Zealand	45.3 (1.0)	552 (3.3)	519 (2.6)		-33 (3.6)		-25 (3.3)		2 (2.4)		2 (2.4)		
	Norway	47.0 (0.9)	518 (2.8)	491 (2.9)		-27 (2.9)		-25 (3.0)		-2 (2.8)		0 (2.9)		
	Poland	56.5 (1.2)	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	45.6 (1.0)	501 (2.6)	497 (3.5)		-4 (3.0)		-8 (3.0)		5 (1.9)		6 (1.8)		
	Slovak Republic	37.2 (0.9)	480 (2.5)	446 (3.1)		-33 (3.1)		-21 (3.0)		-3 (2.6)		-1 (2.6)		
	Slovenia	49.5 (0.9)	512 (2.6)	495 (2.6)		-17 (3.7)		-12 (3.2)		-3 (2.9)		-2 (2.8)		
	Spain	42.0 (0.9)	505 (2.6)	489 (2.6)		-16 (2.9)		-16 (2.7)		1 (2.1)		2 (2.1)		
	Sweden	54.5 (0.8)	529 (3.6)	501 (3.6)		-27 (3.1)		-23 (2.9)		-4 (2.1)		-2 (2.1)		
	Switzerland	45.8 (1.1)	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	48.2 (1.2)	428 (4.1)	418 (3.6)		-9 (3.6)		-6 (2.7)		0 (2.1)		1 (2.0)		
	United Kingdom	32.9 (0.9)	530 (3.0)	506 (3.5)		-24 (3.5)		-22 (3.2)		1 (3.0)		3 (3.0)		
	United States	34.8 (1.1)	536 (3.5)	500 (4.6)		-37 (3.9)		-28 (3.9)		-1 (2.7)		0 (2.7)		
	OECD average-32	44.5 (0.2)	513 (0.5)	489 (0.6)		-24 (0.6)		-18 (0.6)		-1 (0.4)		0 (0.4)		
	OECD average-35	44.5 (0.2)	m	m	m	m	m	m	m	m	m	m	m	m
Partners	Brazil	39.9 (0.7)	422 (2.7)	419 (2.9)		-3 (2.9)		-4 (2.7)		4 (2.5)		4 (2.5)		
	B-S-J-G (China)	39.8 (1.1)	512 (4.4)	472 (3.9)		-40 (4.0)		-19 (3.1)		-5 (2.3)		-2 (2.3)		
	Bulgaria	55.7 (1.0)	466 (4.0)	438 (3.8)		-28 (3.3)		-11 (2.7)		0 (2.3)		1 (2.2)		
	Colombia	42.9 (0.9)	429 (2.8)	434 (2.5)		5 (2.9)		1 (2.3)		7 (1.8)		7 (1.8)		
	Costa Rica	53.7 (1.0)	440 (3.1)	438 (3.3)		-1 (3.8)		-4 (3.5)		0 (2.7)		0 (2.7)		
	Croatia	42.6 (0.9)	481 (2.7)	465 (3.1)		-16 (2.9)		-14 (2.6)		-2 (1.8)		0 (1.7)		
	Cyprus*	57.3 (0.7)	456 (2.2)	441 (2.3)		-15 (2.7)		-13 (2.7)		0 (2.4)		1 (2.4)		
	Dominican Republic	41.5 (1.1)	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	24.5 (0.7)	549 (3.0)	520 (4.2)		-29 (3.8)		-21 (3.5)		-2 (2.7)		1 (2.7)		
	Lithuania	47.8 (0.8)	476 (2.5)	463 (3.3)		-14 (3.3)		-14 (3.2)		-1 (2.2)		1 (2.2)		
	Macao (China)	29.1 (0.6)	543 (1.5)	511 (2.7)		-32 (3.3)		-30 (3.3)		-4 (2.4)		-3 (2.4)		
	Montenegro	63.4 (0.8)	429 (2.2)	415 (1.6)		-14 (2.7)		-13 (2.5)		-1 (1.9)		0 (1.8)		
	Peru	59.7 (0.9)	427 (3.3)	419 (2.7)		-9 (3.1)		-9 (2.4)		-3 (2.0)		-3 (1.9)		
	Qatar	46.8 (0.4)	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	55.5 (1.4)	479 (3.5)	473 (4.2)		-7 (3.7)		-7 (3.4)		6 (2.9)		5 (2.8)		
	Singapore	23.9 (0.6)	574 (1.5)	524 (2.9)		-50 (3.5)		-38 (3.3)		-7 (2.5)		-6 (2.3)		
	Chinese Taipei	33.8 (0.8)	534 (2.6)	512 (3.2)		-22 (3.0)		-17 (2.6)		0 (2.2)		2 (2.2)		
	Thailand	36.1 (1.0)	443 (3.5)	426 (3.9)		-17 (2.7)		-13 (2.5)		-3 (1.8)		-2 (1.8)		
	Tunisia	74.4 (0.8)	386 (2.8)	383 (2.0)		-3 (2.4)		-5 (2.3)		-1 (2.0)		-1 (2.0)		
	United Arab Emirates	43.5 (0.7)	451 (3.1)	422 (2.6)		-29 (3.1)		-23 (3.0)		2 (2.3)		2 (2.3)		
	Uruguay	65.0 (0.9)	453 (3.1)	444 (2.5)		-9 (3.2)		-5 (2.9)		4 (2.2)		5 (2.2)		
	Malaysia**	34.5 (0.9)	444 (3.6)	433 (3.5)		-10 (3.1)		-6 (2.7)		3 (2.3)		4 (2.3)		

1. The socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Relative performance refers to the residual performance, attributable to purely "collaborative problem-solving" competencies, after accounting for science, reading and mathematics performance in a regression performed across students at a national level. Whether students reported having arrived late for school at least once in the two weeks prior to the PISA test was included as an explanatory variable in this regression.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.6.12a Attendance at pre-primary school and performance in collaborative problem solving

Results based on students' self-reports

		Percentage of students who had attended pre-primary school (supervision and care; early childhood education development; or pre-primary education)		Performance in collaborative problem solving				Difference (had attended – had not attended)								
								Performance in collaborative problem solving				Relative performance in collaborative problem solving ²				
				Had not attended pre-primary school		Had attended pre-primary school										Before accounting for gender, and students' and schools' socio-economic profile ¹
		%	S.E.	Mean score	S.E.	Mean score	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	
OECD	Australia	97.8	(0.2)	515	(12.6)	537	(2.0)	21	(12.8)	-2	(12.1)	-5	(9.9)	-5	(9.6)	
	Austria	98.7	(0.2)	479	(16.9)	512	(2.7)	33	(17.0)	8	(16.1)	3	(13.2)	5	(13.1)	
	Belgium	98.9	(0.2)	439	(12.7)	504	(2.4)	64	(12.8)	28	(12.0)	-5	(10.1)	-6	(10.2)	
	Canada	97.4	(0.2)	543	(9.6)	538	(2.4)	-4	(9.6)	-14	(9.3)	-17	(6.9)	-19	(6.7)	
	Chile	96.8	(0.4)	430	(10.0)	462	(2.7)	32	(10.1)	5	(9.9)	0	(8.2)	-2	(8.3)	
	Czech Republic	98.2	(0.3)	465	(12.6)	501	(2.2)	36	(13.0)	14	(11.8)	6	(10.4)	6	(10.5)	
	Denmark	99.4	(0.1)	487	(24.7)	519	(2.5)	32	(25.0)	14	(24.2)	3	(20.6)	-1	(20.3)	
	Estonia	94.7	(0.5)	537	(8.3)	539	(2.6)	3	(7.8)	-15	(7.8)	2	(6.0)	1	(6.1)	
	Finland	98.3	(0.2)	502	(17.9)	538	(2.6)	36	(18.3)	25	(16.5)	-2	(12.3)	0	(12.0)	
	France	99.2	(0.1)	439	(23.5)	499	(2.5)	60	(23.1)	20	(21.9)	-4	(17.8)	-1	(17.9)	
	Germany	98.7	(0.2)	497	(15.9)	535	(2.9)	39	(15.9)	23	(15.7)	-1	(14.3)	-5	(14.2)	
	Greece	97.9	(0.4)	397	(13.2)	463	(3.5)	66	(13.7)	32	(12.6)	14	(11.1)	9	(10.9)	
	Hungary	99.8	(0.1)	c	c	474	(2.5)	c	c	c	c	c	c	c	c	c
	Iceland	98.3	(0.3)	473	(22.4)	499	(2.5)	26	(22.3)	14	(22.7)	-7	(12.2)	-4	(11.7)	
	Ireland	92.9	(0.4)	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	99.1	(0.3)	382	(22.0)	472	(3.5)	90	(21.8)	16	(20.6)	3	(15.3)	0	(16.1)	
	Italy	98.3	(0.2)	460	(15.7)	480	(2.6)	20	(15.5)	16	(15.3)	5	(14.8)	6	(14.1)	
	Japan	99.6	(0.1)	c	c	556	(2.6)	c	c	c	c	c	c	c	c	c
	Korea	97.2	(0.3)	545	(9.1)	541	(2.6)	-4	(9.0)	-12	(8.8)	-6	(6.8)	-7	(6.6)	
	Latvia	94.6	(0.5)	492	(9.8)	482	(2.5)	-10	(10.1)	-11	(9.5)	6	(7.5)	6	(7.4)	
	Luxembourg	97.4	(0.2)	463	(11.3)	495	(1.6)	32	(11.2)	13	(10.2)	-7	(8.1)	-7	(8.2)	
	Mexico	98.3	(0.2)	407	(9.9)	434	(2.5)	27	(10.2)	1	(11.0)	7	(8.0)	2	(7.9)	
	Netherlands	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	New Zealand	96.2	(0.3)	514	(10.8)	537	(2.9)	23	(11.5)	17	(10.7)	5	(9.0)	7	(8.6)	
	Norway	94.1	(0.4)	469	(7.9)	506	(2.6)	37	(7.9)	20	(7.9)	11	(5.1)	11	(5.2)	
	Poland	82.7	(1.3)	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	94.0	(0.4)	485	(9.0)	501	(2.6)	16	(8.6)	-2	(8.6)	-3	(6.6)	-3	(6.6)	
	Slovak Republic	96.2	(0.3)	440	(10.0)	466	(2.5)	26	(10.0)	-15	(10.9)	-18	(9.4)	-17	(9.4)	
	Slovenia	86.4	(0.5)	491	(5.1)	504	(2.2)	14	(6.2)	-3	(5.7)	3	(4.9)	3	(5.1)	
	Spain	99.0	(0.1)	450	(15.2)	498	(2.2)	49	(15.1)	31	(15.2)	14	(13.6)	15	(13.5)	
	Sweden	96.3	(0.4)	454	(11.9)	516	(3.6)	62	(11.9)	33	(10.7)	-4	(7.1)	-1	(7.0)	
	Switzerland	98.7	(0.2)	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	50.5	(1.3)	422	(3.8)	430	(4.4)	8	(4.4)	-7	(3.6)	0	(2.9)	-2	(3.2)	
	United Kingdom	98.4	(0.2)	516	(13.9)	524	(2.8)	8	(13.5)	-14	(11.9)	-23	(11.0)	-27	(10.4)	
	United States	81.8	(0.8)	530	(5.6)	520	(3.7)	-10	(5.5)	-23	(5.3)	-11	(4.5)	-12	(4.3)	
OECD average-32	95.2	(0.1)	473	(2.6)	503	(0.5)	29	(2.6)	7	(2.5)	-1	(2.0)	-2	(2.0)		
OECD average-35	94.9	(0.1)	m	m	m	m	m	m	m	m	m	m	m	m	m	
Partners	Brazil	97.2	(0.2)	408	(6.3)	414	(2.4)	6	(6.3)	-6	(6.1)	1	(5.8)	-1	(5.6)	
	B-S-J-G (China)	82.9	(1.3)	446	(6.1)	507	(4.2)	61	(6.9)	16	(5.3)	3	(4.0)	1	(4.1)	
	Bulgaria	94.0	(0.4)	457	(8.2)	445	(3.7)	-11	(7.1)	-15	(5.6)	-2	(4.8)	-3	(4.6)	
	Colombia	96.7	(0.4)	428	(7.8)	430	(2.4)	1	(8.0)	-20	(6.6)	-5	(6.4)	-11	(6.3)	
	Costa Rica	90.9	(0.4)	434	(5.5)	443	(2.5)	9	(5.4)	-5	(5.0)	3	(4.6)	2	(4.5)	
	Croatia	80.3	(0.9)	467	(4.0)	474	(2.7)	6	(3.9)	-9	(3.6)	4	(2.7)	4	(2.9)	
	Cyprus*	98.3	(0.2)	440	(14.2)	448	(2.1)	9	(13.7)	-5	(13.0)	-13	(10.7)	-12	(10.6)	
	Dominican Republic	96.3	(0.4)	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	99.0	(0.2)	460	(17.3)	546	(3.2)	85	(16.8)	72	(16.6)	18	(12.2)	18	(11.8)	
	Lithuania	76.5	(1.0)	461	(3.5)	469	(2.9)	8	(4.3)	-17	(4.0)	-1	(2.5)	-3	(2.7)	
	Macao (China)	99.5	(0.1)	c	c	538	(1.5)	c	c	c	c	c	c	c	c	c
	Montenegro	73.0	(0.6)	413	(2.8)	418	(1.7)	6	(3.4)	-8	(3.3)	4	(2.6)	3	(2.7)	
	Peru	95.4	(0.4)	375	(6.4)	421	(2.5)	46	(6.8)	2	(6.3)	9	(5.6)	3	(5.5)	
	Qatar	86.1	(0.3)	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	86.0	(1.2)	452	(7.6)	477	(3.6)	25	(7.7)	1	(7.4)	12	(5.7)	4	(5.8)	
	Singapore	98.9	(0.2)	514	(17.0)	566	(1.7)	52	(17.0)	31	(17.4)	-2	(9.5)	-3	(9.5)	
	Chinese Taipei	98.2	(0.2)	503	(13.5)	532	(2.7)	29	(13.2)	14	(10.7)	10	(9.8)	8	(9.8)	
	Thailand	99.4	(0.1)	410	(17.0)	438	(3.4)	28	(16.8)	28	(16.5)	5	(12.7)	7	(12.3)	
	Tunisia	91.3	(0.7)	377	(4.1)	384	(2.1)	7	(3.9)	-14	(4.1)	1	(3.6)	-7	(3.3)	
	United Arab Emirates	92.8	(0.3)	429	(5.9)	440	(2.7)	11	(5.8)	-5	(5.4)	7	(4.9)	4	(4.6)	
	Uruguay	99.2	(0.2)	448	(14.1)	445	(2.4)	-3	(14.2)	-27	(14.1)	-19	(9.8)	-21	(10.0)	
	Malaysia**	96.3	(0.4)	427	(7.7)	442	(3.3)	15	(7.6)	-10	(7.0)	0	(5.5)	-2	(5.3)	

1. The socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Relative performance refers to the residual performance, attributable to purely "collaborative problem-solving" competencies, after accounting for science, reading and mathematics performance in a regression performed across students at a national level. Whether students attended pre-primary school was included as an explanatory variable in this regression.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

Results on attendance to pre-primary school can differ from data published in Volume II due to the wider definition of pre-primary school used here.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.6.12b Attendance at pre-primary school and performance in collaborative problem solving, by socio-economic status

Results based on students' self-reports

		PISA index of economic, social, and cultural status (ESCS)				Percentage of students who had attended pre-primary school (supervision and care; early childhood education development; or pre-primary education)				Difference between students who had attended pre-primary school and those who had not							
		Disadvantaged students (bottom quarter of ESCS)		Advantaged students (top quarter of ESCS)		Disadvantaged students (bottom quarter of ESCS)		Advantaged students (top quarter of ESCS)		Performance in collaborative problem solving				Relative performance in collaborative problem solving ¹			
		Mean index		Mean index		%		%		Disadvantaged students (bottom quarter of ESCS)		Advantaged students (top quarter of ESCS)		Disadvantaged students (bottom quarter of ESCS)		Advantaged students (top quarter of ESCS)	
		S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	-0.81	(0.02)	1.18	(0.01)	96.2	(0.5)	98.4	(0.3)	27	(18.3)	8	(23.0)	2	(12.4)	-12	(15.0)
	Austria	-0.97	(0.03)	1.21	(0.02)	97.8	(0.5)	99.1	(0.3)	3	(21.3)	c	c	-2	(17.2)	c	c
	Belgium	-1.05	(0.03)	1.25	(0.02)	97.7	(0.5)	99.6	(0.1)	43	(16.4)	c	c	-10	(14.1)	c	c
	Canada	-0.58	(0.02)	1.46	(0.01)	96.7	(0.4)	97.5	(0.3)	-20	(12.9)	0	(19.0)	-23	(9.0)	-10	(12.8)
	Chile	-1.86	(0.04)	0.96	(0.03)	93.4	(1.1)	98.8	(0.2)	11	(11.9)	c	c	2	(9.0)	c	c
	Czech Republic	-1.19	(0.02)	0.85	(0.02)	96.9	(0.6)	98.5	(0.4)	27	(16.0)	c	c	-4	(15.1)	c	c
	Denmark	-0.64	(0.03)	1.53	(0.01)	99.0	(0.2)	99.5	(0.2)	c	c	c	c	c	c	c	c
	Estonia	-0.96	(0.02)	1.01	(0.01)	91.5	(1.0)	96.9	(0.6)	-7	(16.2)	0	(17.0)	-4	(9.2)	6	(12.7)
	Finland	-0.73	(0.02)	1.17	(0.02)	96.8	(0.6)	98.5	(0.4)	43	(22.7)	c	c	-4	(16.6)	c	c
	France	-1.17	(0.02)	0.85	(0.02)	98.7	(0.3)	99.7	(0.2)	c	c	c	c	c	c	c	c
	Germany	-1.07	(0.02)	1.36	(0.02)	98.1	(0.4)	99.2	(0.3)	c	c	c	c	c	c	c	c
	Greece	-1.31	(0.03)	1.14	(0.02)	95.7	(1.0)	99.0	(0.3)	32	(16.4)	c	c	10	(13.7)	c	c
	Hungary	-1.44	(0.02)	1.02	(0.02)	99.6	(0.2)	100.0	c	c	c	m	m	c	c	m	m
	Iceland	-0.28	(0.02)	1.55	(0.01)	96.7	(0.8)	98.6	(0.5)	c	c	c	c	c	c	c	c
	Ireland	-0.94	(0.02)	1.21	(0.02)	87.7	(0.9)	95.8	(0.6)	m	m	m	m	m	m	m	m
	Israel	-0.99	(0.05)	1.10	(0.02)	97.8	(1.0)	99.8	(0.1)	c	c	c	c	c	c	c	c
	Italy	-1.31	(0.02)	1.16	(0.02)	98.6	(0.4)	98.0	(0.5)	13	(30.2)	60	(32.2)	4	(25.3)	13	(32.4)
	Japan	-1.10	(0.02)	0.72	(0.01)	99.4	(0.2)	99.7	(0.1)	c	c	c	c	c	c	c	c
	Korea	-1.06	(0.02)	0.68	(0.03)	95.9	(0.6)	97.9	(0.4)	-22	(13.0)	c	c	-11	(9.9)	c	c
	Latvia	-1.62	(0.02)	0.72	(0.02)	93.7	(1.1)	94.6	(1.0)	-13	(15.4)	-4	(18.2)	0	(10.6)	13	(14.7)
	Luxembourg	-1.42	(0.02)	1.41	(0.01)	96.4	(0.6)	98.6	(0.4)	2	(13.1)	c	c	-17	(10.0)	c	c
	Mexico	-2.73	(0.04)	0.42	(0.05)	96.1	(0.6)	99.4	(0.2)	0	(11.0)	c	c	4	(9.6)	c	c
	Netherlands	-0.85	(0.03)	1.07	(0.02)	m	m	m	m	m	m	m	m	m	m	m	m
	New Zealand	-0.89	(0.02)	1.09	(0.02)	96.1	(0.6)	96.7	(0.6)	23	(22.2)	40	(20.0)	18	(18.6)	-1	(15.6)
	Norway	-0.53	(0.03)	1.31	(0.01)	88.4	(1.0)	98.0	(0.4)	26	(12.5)	c	c	14	(8.4)	c	c
	Poland	-1.34	(0.02)	0.75	(0.03)	75.7	(2.3)	90.1	(1.1)	m	m	m	m	m	m	m	m
	Portugal	-1.83	(0.02)	1.16	(0.03)	89.4	(1.0)	98.5	(0.4)	-8	(10.4)	c	c	-4	(7.3)	c	c
	Slovak Republic	-1.24	(0.04)	1.10	(0.02)	92.1	(0.9)	97.8	(0.5)	17	(12.0)	10	(21.6)	-17	(11.0)	-24	(17.1)
	Slovenia	-1.04	(0.01)	1.07	(0.01)	77.9	(1.4)	92.0	(0.9)	-1	(9.3)	20	(13.1)	3	(8.0)	10	(10.0)
	Spain	-2.05	(0.03)	1.03	(0.03)	98.1	(0.3)	99.8	(0.1)	c	c	c	c	c	c	c	c
	Sweden	-0.78	(0.03)	1.27	(0.01)	91.5	(1.1)	98.4	(0.4)	41	(12.6)	c	c	-3	(8.8)	c	c
	Switzerland	-1.05	(0.03)	1.30	(0.02)	97.9	(0.4)	99.0	(0.3)	m	m	m	m	m	m	m	m
	Turkey	-2.87	(0.04)	0.14	(0.07)	33.9	(1.6)	75.0	(2.2)	-10	(6.1)	11	(6.9)	-3	(4.5)	0	(4.9)
	United Kingdom	-0.92	(0.02)	1.27	(0.02)	97.2	(0.5)	99.3	(0.2)	4	(16.7)	c	c	-22	(14.4)	c	c
	United States	-1.25	(0.06)	1.29	(0.02)	75.0	(1.8)	89.4	(1.0)	-23	(9.3)	-9	(12.1)	-13	(7.2)	-15	(6.5)
	OECD average-32	-1.20	(0.00)	1.08	(0.00)	92.7	(0.2)	97.3	(0.1)	9	(3.3)	14	(6.1)	-3	(2.6)	-2	(5.0)
	OECD average-35	-1.20	(0.00)	1.08	(0.00)	92.2	(0.2)	97.1	(0.1)	m	m	m	m	m	m	m	m
Partners	Brazil	-2.43	(0.03)	0.57	(0.04)	96.1	(0.4)	98.4	(0.2)	-5	(9.4)	12	(12.4)	0	(9.1)	-4	(9.2)
	B-5-J-G (China)	-2.36	(0.03)	0.47	(0.07)	64.9	(3.1)	96.0	(0.8)	25	(7.1)	84	(18.4)	2	(4.4)	3	(12.6)
	Bulgaria	-1.37	(0.04)	1.14	(0.02)	93.1	(1.0)	94.4	(0.7)	4	(13.6)	-26	(12.1)	8	(9.0)	3	(8.5)
	Colombia	-2.41	(0.04)	0.44	(0.05)	93.7	(1.0)	98.3	(0.4)	-17	(8.9)	-15	(20.3)	-13	(8.3)	-13	(13.9)
	Costa Rica	-2.29	(0.03)	0.73	(0.03)	85.9	(1.2)	94.4	(0.6)	0	(7.3)	9	(11.4)	4	(6.7)	-6	(9.1)
	Croatia	-1.22	(0.02)	0.89	(0.02)	68.1	(1.4)	90.7	(1.1)	-9	(5.7)	8	(10.9)	0	(4.6)	9	(8.1)
	Cyprus*	-1.02	(0.01)	1.33	(0.01)	97.1	(0.6)	99.0	(0.3)	-7	(23.0)	c	c	-9	(20.2)	c	c
	Dominican Republic	-2.23	(0.04)	0.46	(0.03)	94.2	(0.9)	98.3	(0.5)	m	m	m	m	m	m	m	m
	Hong Kong (China)	-1.73	(0.02)	0.69	(0.03)	98.2	(0.4)	99.6	(0.2)	c	c	c	c	c	c	c	c
	Lithuania	-1.24	(0.02)	0.97	(0.02)	62.4	(1.9)	87.2	(1.1)	-14	(5.8)	-6	(9.2)	-3	(4.2)	-3	(5.3)
	Macao (China)	-1.59	(0.02)	0.60	(0.01)	99.1	(0.3)	99.7	(0.2)	c	c	c	c	c	c	c	c
	Montenegro	-1.23	(0.01)	0.88	(0.01)	59.1	(1.4)	82.7	(1.1)	-3	(4.6)	0	(7.7)	2	(3.6)	2	(6.9)
	Peru	-2.56	(0.03)	0.55	(0.05)	88.9	(1.3)	99.3	(0.2)	6	(6.8)	c	c	3	(6.5)	c	c
	Qatar	-0.47	(0.01)	1.42	(0.01)	72.0	(1.0)	92.4	(0.5)	m	m	m	m	m	m	m	m
	Russia	-0.95	(0.03)	0.95	(0.02)	76.5	(1.9)	91.3	(1.1)	24	(8.6)	5	(13.7)	14	(6.1)	7	(10.8)
	Singapore	-1.22	(0.02)	1.09	(0.01)	98.2	(0.5)	99.7	(0.2)	c	c	c	c	c	c	c	c
	Chinese Taipei	-1.28	(0.02)	0.84	(0.02)	96.9	(0.6)	98.7	(0.3)	38	(18.1)	c	c	16	(11.8)	c	c
	Thailand	-2.53	(0.02)	0.29	(0.07)	99.4	(0.2)	99.8	(0.1)	c	c	c	c	c	c	c	c
	Tunisia	-2.31	(0.04)	0.69	(0.04)	79.3	(1.9)	96.0	(0.7)	-2	(4.6)	-12	(12.1)	-1	(4.5)	-8	(9.5)
	United Arab Emirates	-0.49	(0.03)	1.32	(0.01)	88.5	(0.7)	95.1	(0.5)	-3	(7.0)	7	(11.3)	6	(5.7)	8	(8.8)
	Uruguay	-2.12	(0.02)	0.71	(0.04)	98.6	(0.4)	99.7	(0.2)	c	c	c	c	c	c	c	c
	Malaysia**	-1.82	(0.04)	0.96	(0.04)	91.9	(1.4)	98.6	(0.3)	0	(10.0)	1	(19.0)	-2	(7.7)	-14	(12.5)

1. Relative performance refers to the residual performance, attributable to purely "collaborative problem-solving" competencies, after accounting for science, reading and mathematics performance in a regression performed across students at a national level. The years of attendance at pre-primary school was included as an explanatory variable in this regression.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.6.14e Index of student interaction in science class and performance in collaborative problem solving*Results based on students' self-reports*

	Index of student interaction in science class ¹		Change per unit increase in the index of student interaction in science class					
			Performance in collaborative problem solving		Relative performance in collaborative problem solving ³			
			Before accounting for gender, and students' and schools' socio-economic profile ²		After accounting for gender, and students' and schools' socio-economic profile		Before accounting for gender, and students' and schools' socio-economic profile	
	Average	Variability	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
	Mean index	S.E.	S.D.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	1.43 (0.02)	1.17 (0.01)	-10 (1.3)	-9 (1.2)	-2 (0.9)	-1 (0.9)	
	Austria	1.36 (0.03)	1.26 (0.02)	-7 (1.6)	-6 (1.4)	-2 (1.0)	-1 (1.0)	
	Belgium	1.24 (0.02)	1.09 (0.01)	-9 (1.4)	-4 (1.2)	-1 (0.9)	1 (0.9)	
	Canada	1.61 (0.02)	1.27 (0.01)	-15 (1.2)	-14 (1.1)	-4 (1.0)	-2 (1.0)	
	Chile	1.43 (0.03)	1.24 (0.01)	-12 (1.3)	-10 (1.3)	-2 (1.3)	-1 (1.4)	
	Czech Republic	1.33 (0.02)	1.07 (0.01)	-12 (1.5)	-9 (1.3)	-4 (1.2)	-3 (1.2)	
	Denmark	2.19 (0.03)	1.30 (0.01)	5 (1.5)	4 (1.4)	1 (1.2)	1 (1.2)	
	Estonia	1.24 (0.02)	1.05 (0.02)	-12 (1.6)	-11 (1.6)	0 (1.1)	1 (1.2)	
	Finland	1.20 (0.02)	1.03 (0.02)	-9 (1.8)	-8 (1.7)	-2 (1.2)	-1 (1.2)	
	France	1.72 (0.02)	1.19 (0.01)	0 (1.5)	-2 (1.3)	-1 (1.1)	-1 (1.1)	
	Germany	1.59 (0.02)	1.25 (0.01)	-1 (1.7)	-2 (1.5)	-1 (1.3)	0 (1.2)	
	Greece	1.43 (0.03)	1.20 (0.02)	-15 (1.8)	-11 (1.5)	-3 (1.0)	-2 (1.0)	
	Hungary	1.17 (0.02)	1.10 (0.01)	-7 (2.0)	-5 (1.8)	-1 (1.3)	0 (1.2)	
	Iceland	1.37 (0.02)	1.15 (0.01)	-5 (1.9)	-4 (2.0)	-3 (1.6)	-2 (1.6)	
	Ireland	1.29 (0.02)	1.14 (0.01)	m	m	m	m	
	Israel	1.61 (0.03)	1.33 (0.01)	-14 (1.5)	-11 (1.4)	-5 (0.8)	-5 (0.8)	
	Italy	1.41 (0.02)	1.09 (0.01)	-11 (1.5)	-7 (1.4)	-3 (1.2)	-2 (1.1)	
	Japan	0.83 (0.03)	1.04 (0.02)	-12 (1.9)	-10 (1.7)	-6 (1.4)	-4 (1.3)	
	Korea	0.79 (0.02)	1.15 (0.02)	-15 (1.5)	-12 (1.3)	-3 (1.1)	-2 (1.0)	
	Latvia	1.32 (0.02)	1.12 (0.01)	-11 (1.5)	-8 (1.5)	-1 (1.3)	0 (1.2)	
	Luxembourg	1.66 (0.02)	1.27 (0.01)	-10 (1.5)	-7 (1.3)	-4 (1.1)	-3 (1.0)	
	Mexico	1.80 (0.03)	1.34 (0.01)	-7 (1.2)	-7 (1.1)	-3 (0.9)	-3 (0.9)	
	Netherlands	1.15 (0.02)	1.20 (0.01)	-9 (1.7)	-7 (1.4)	0 (1.4)	0 (1.3)	
	New Zealand	1.48 (0.03)	1.22 (0.01)	-12 (1.9)	-11 (1.8)	0 (1.6)	1 (1.5)	
	Norway	1.42 (0.03)	1.23 (0.02)	-9 (1.3)	-7 (1.2)	-3 (1.0)	-2 (1.0)	
	Poland	1.24 (0.03)	1.16 (0.01)	m	m	m	m	
	Portugal	1.85 (0.03)	1.26 (0.01)	-5 (1.4)	-5 (1.3)	0 (1.0)	0 (0.9)	
	Slovak Republic	1.22 (0.03)	1.14 (0.02)	-13 (1.5)	-9 (1.4)	0 (1.2)	0 (1.2)	
	Slovenia	1.78 (0.03)	1.31 (0.02)	-3 (2.2)	-2 (2.0)	0 (2.0)	0 (2.0)	
	Spain	1.14 (0.02)	1.00 (0.01)	-10 (1.5)	-9 (1.5)	-3 (1.2)	-2 (1.2)	
	Sweden	1.80 (0.03)	1.35 (0.01)	-5 (1.7)	-5 (1.5)	-2 (1.2)	-1 (1.1)	
	Switzerland	1.73 (0.03)	1.26 (0.01)	m	m	m	m	
	Turkey	1.88 (0.03)	1.30 (0.01)	-6 (1.4)	-4 (1.2)	-1 (1.1)	0 (1.0)	
	United Kingdom	1.24 (0.02)	1.05 (0.01)	-13 (1.5)	-12 (1.4)	-4 (1.0)	-3 (1.1)	
	United States	1.72 (0.04)	1.34 (0.01)	-12 (1.4)	-10 (1.4)	-1 (0.9)	0 (0.9)	
	OECD average-32	1.45 (0.00)	1.19 (0.00)	-9 (0.3)	-7 (0.3)	-2 (0.2)	-1 (0.2)	
	OECD average-35	1.45 (0.00)	1.19 (0.00)	m	m	m	m	
Partners	Brazil	1.18 (0.02)	1.28 (0.01)	-13 (1.0)	-12 (0.8)	-3 (0.7)	-3 (0.7)	
	B-S-J-G (China)	1.08 (0.03)	1.11 (0.02)	2 (2.0)	-6 (1.6)	-4 (1.3)	-5 (1.3)	
	Bulgaria	1.73 (0.03)	1.36 (0.01)	-16 (1.4)	-10 (1.0)	-2 (0.8)	-2 (0.8)	
	Colombia	1.41 (0.03)	1.17 (0.01)	-9 (1.4)	-10 (1.3)	-2 (1.1)	-3 (1.1)	
	Costa Rica	1.16 (0.02)	1.11 (0.01)	-6 (1.3)	-7 (1.2)	-1 (1.1)	-1 (1.0)	
	Croatia	1.25 (0.02)	1.20 (0.01)	-9 (1.3)	-6 (1.1)	-2 (0.8)	-2 (0.8)	
	Cyprus*	1.99 (0.02)	1.37 (0.01)	-9 (1.2)	-6 (1.2)	-2 (0.9)	-2 (0.9)	
	Dominican Republic	2.24 (0.03)	1.13 (0.01)	m	m	m	m	
	Hong Kong (China)	1.38 (0.03)	1.39 (0.02)	-4 (1.4)	-3 (1.3)	-1 (1.1)	-1 (1.1)	
	Lithuania	1.60 (0.02)	1.21 (0.01)	-9 (1.3)	-7 (1.3)	-2 (1.1)	-2 (1.1)	
	Macao (China)	0.94 (0.02)	1.08 (0.02)	-5 (1.8)	-5 (1.8)	-1 (1.4)	0 (1.3)	
	Montenegro	1.45 (0.02)	1.35 (0.01)	-15 (1.1)	-11 (1.1)	-5 (0.9)	-5 (0.9)	
	Peru	2.16 (0.03)	1.27 (0.01)	-6 (1.1)	-5 (0.9)	0 (0.8)	0 (0.8)	
	Qatar	1.97 (0.02)	1.45 (0.01)	m	m	m	m	
	Russia	1.97 (0.03)	1.36 (0.01)	-8 (1.3)	-7 (1.3)	-3 (1.0)	-2 (0.9)	
	Singapore	1.29 (0.02)	1.14 (0.01)	-7 (1.5)	-9 (1.4)	-4 (1.2)	-3 (1.2)	
	Chinese Taipei	0.93 (0.02)	1.09 (0.02)	-5 (1.4)	-4 (1.4)	0 (0.9)	0 (1.0)	
	Thailand	1.15 (0.03)	1.38 (0.02)	-3 (1.1)	0 (0.9)	0 (0.7)	1 (0.7)	
	Tunisia	2.05 (0.03)	1.35 (0.01)	-8 (0.8)	-6 (0.8)	-3 (0.7)	-3 (0.6)	
	United Arab Emirates	1.91 (0.02)	1.41 (0.01)	-12 (1.0)	-7 (0.9)	-1 (0.7)	0 (0.7)	
	Uruguay	1.27 (0.02)	1.17 (0.01)	-15 (1.5)	-13 (1.4)	-6 (1.2)	-5 (1.2)	
	Malaysia**	1.50 (0.02)	1.24 (0.01)	-4 (1.4)	-2 (1.3)	-1 (1.0)	-1 (1.0)	

1. The index of student interaction in science class is the sum of students' responses to questions about whether their science teachers carry out the following teaching practices: students are given opportunities to explain their ideas; students spend time in the laboratory carrying out practical experiments; students are required to argue about science questions; and there is a class debate about investigations. The index ranges from 0 to 4, with each response weighted equally.

2. The socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

3. Relative performance refers to the residual performance, attributable to purely "collaborative problem-solving" competencies, after accounting for science, reading and mathematics performance in a regression performed across students at a national level. The index of student interaction in science class was included as an explanatory variable in this regression.

Note: Values that are statistically significant are indicated in bold (see Annex A3).

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616826>

[Part 1/1]

Table V.7.1 Student-student relationships

		Percentage of students who reported the following:										Percentage of students in schools whose principal reported that students' learning is "not hindered at all" by students intimidating or bullying other students			
		"Agree" or "strongly agree" that "I make friends easily at school"		"Agree" or "strongly agree" that "other students seem to like me"		"Disagree" or "strongly disagree" that "I feel lonely at school"		Other students "never or almost never" make fun of me		I am "never or almost never" threatened by other students				I "never or almost never" get hit or pushed around by other students	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.			%	S.E.
OECD	Australia	79.4	(0.5)	87.6	(0.3)	83.5	(0.4)	61.4	(0.5)	79.8	(0.5)	84.0	(0.4)	11.9	(1.6)
	Austria	77.9	(0.6)	83.8	(0.5)	84.6	(0.5)	64.5	(0.7)	92.1	(0.5)	89.0	(0.6)	18.4	(2.9)
	Belgium	81.8	(0.4)	88.2	(0.5)	90.5	(0.4)	66.4	(0.6)	91.0	(0.3)	89.5	(0.4)	13.6	(2.2)
	Canada	78.3	(0.5)	87.3	(0.4)	81.6	(0.4)	63.0	(0.5)	85.3	(0.4)	84.7	(0.4)	13.8	(1.9)
	Chile	73.2	(0.6)	76.0	(0.6)	83.1	(0.6)	70.6	(0.6)	90.2	(0.5)	90.0	(0.4)	21.0	(2.8)
	Czech Republic	75.3	(0.7)	81.2	(0.6)	81.9	(0.6)	71.1	(0.8)	89.6	(0.5)	81.2	(0.6)	28.0	(2.7)
	Denmark	79.2	(0.5)	85.4	(0.6)	87.1	(0.5)	67.4	(0.7)	92.6	(0.4)	87.3	(0.5)	27.8	(3.2)
	Estonia	76.0	(0.7)	76.5	(0.7)	85.3	(0.6)	62.1	(0.7)	90.0	(0.5)	86.0	(0.6)	15.5	(1.8)
	Finland	79.8	(0.5)	82.0	(0.5)	88.2	(0.5)	68.9	(0.8)	88.6	(0.5)	86.5	(0.6)	4.7	(1.5)
	France	86.3	(0.5)	89.7	(0.4)	90.6	(0.4)	69.2	(0.6)	91.5	(0.4)	91.3	(0.5)	29.2	(3.1)
	Germany	73.3	(0.7)	85.0	(0.5)	87.3	(0.5)	66.5	(0.8)	94.1	(0.4)	94.2	(0.4)	7.2	(1.7)
	Greece	80.2	(0.5)	87.4	(0.5)	88.0	(0.5)	71.8	(0.8)	93.3	(0.6)	89.9	(0.6)	50.5	(4.0)
	Hungary	81.1	(0.6)	82.7	(0.7)	85.5	(0.5)	75.3	(0.7)	91.6	(0.5)	90.5	(0.5)	56.7	(3.2)
	Iceland	76.1	(0.7)	82.9	(0.6)	83.6	(0.6)	77.8	(0.8)	90.0	(0.5)	92.5	(0.5)	16.1	(0.2)
	Ireland	81.1	(0.5)	90.5	(0.5)	87.8	(0.5)	71.2	(0.7)	88.7	(0.5)	89.7	(0.5)	13.0	(3.0)
	Israel	m	m	m	m	m	m	m	m	m	m	m	m	57.6	(3.4)
	Italy	83.0	(0.5)	76.6	(0.6)	89.5	(0.5)	m	m	m	m	m	m	40.5	(4.0)
	Japan	68.8	(0.7)	73.8	(0.6)	88.5	(0.5)	67.2	(0.7)	93.5	(0.4)	81.5	(0.6)	27.8	(2.8)
	Korea	79.3	(0.6)	81.9	(0.6)	91.7	(0.4)	80.6	(0.7)	97.1	(0.2)	98.0	(0.2)	25.7	(3.3)
	Latvia	75.7	(0.7)	68.2	(0.7)	82.8	(0.6)	58.9	(0.8)	80.8	(0.6)	74.4	(0.7)	40.0	(3.1)
	Luxembourg	75.9	(0.6)	81.3	(0.6)	85.1	(0.4)	73.2	(0.6)	91.1	(0.4)	91.5	(0.3)	19.3	(0.1)
	Mexico	72.7	(0.5)	72.0	(0.7)	79.3	(0.5)	66.0	(0.6)	89.4	(0.4)	84.9	(0.5)	25.8	(2.6)
	Netherlands	85.2	(0.5)	91.9	(0.5)	92.4	(0.4)	80.7	(0.6)	94.7	(0.4)	93.7	(0.4)	0.0	(0.0)
	New Zealand	78.9	(0.6)	88.2	(0.5)	83.1	(0.7)	57.6	(0.7)	78.4	(0.6)	81.9	(0.6)	13.5	(2.2)
	Norway	80.0	(0.5)	83.0	(0.6)	85.6	(0.5)	74.6	(0.7)	89.2	(0.5)	87.2	(0.5)	5.1	(1.6)
	Poland	73.5	(0.7)	73.3	(0.7)	79.8	(0.7)	67.8	(0.8)	90.0	(0.5)	89.5	(0.5)	30.4	(3.6)
	Portugal	77.8	(0.6)	87.6	(0.5)	88.8	(0.5)	80.4	(0.6)	88.2	(0.5)	93.0	(0.4)	31.3	(3.9)
	Slovak Republic	77.0	(0.5)	76.7	(0.6)	80.6	(0.6)	71.9	(0.8)	88.1	(0.5)	88.4	(0.6)	42.7	(3.5)
	Slovenia	76.8	(0.8)	78.5	(0.6)	85.4	(0.6)	73.4	(0.7)	92.0	(0.4)	86.5	(0.5)	47.3	(0.4)
	Spain	83.2	(0.5)	86.0	(0.6)	90.7	(0.4)	73.9	(0.6)	92.2	(0.4)	90.3	(0.5)	24.9	(3.3)
	Sweden	74.9	(0.6)	78.4	(0.6)	81.0	(0.6)	70.9	(0.9)	88.2	(0.6)	83.2	(0.6)	17.7	(2.8)
	Switzerland	80.6	(0.6)	87.5	(0.5)	90.1	(0.4)	63.4	(0.8)	92.3	(0.5)	90.9	(0.5)	17.5	(2.7)
	Turkey	62.3	(0.8)	63.6	(0.8)	65.0	(0.8)	80.2	(0.8)	86.6	(0.6)	90.1	(0.5)	37.2	(4.1)
	United Kingdom	78.7	(0.6)	87.7	(0.5)	86.4	(0.4)	62.3	(0.7)	81.8	(0.6)	85.3	(0.5)	20.7	(3.0)
	United States	78.6	(0.6)	88.7	(0.5)	81.8	(0.6)	68.8	(0.9)	85.4	(0.6)	89.2	(0.5)	12.9	(2.5)
OECD average-32	77.6	(0.1)	81.9	(0.1)	85.1	(0.1)	69.9	(0.1)	89.2	(0.1)	87.9	(0.1)	25.1	(0.5)	
OECD average-35	77.7	(0.1)	82.1	(0.1)	85.2	(0.1)	69.7	(0.1)	89.3	(0.1)	88.1	(0.1)	24.7	(0.5)	
Partners	Brazil	73.9	(0.5)	81.0	(0.4)	80.1	(0.4)	75.5	(0.5)	88.6	(0.3)	91.7	(0.3)	39.9	(2.4)
	B-S-J-G (China)	78.2	(0.5)	59.6	(0.7)	78.5	(0.6)	69.2	(0.9)	89.6	(0.5)	89.3	(0.5)	27.7	(3.2)
	Bulgaria	74.9	(0.6)	71.9	(0.7)	75.1	(0.8)	69.1	(0.8)	84.2	(0.7)	76.6	(0.8)	41.7	(3.8)
	Colombia	70.3	(0.6)	68.7	(0.5)	74.9	(0.6)	68.2	(0.7)	91.1	(0.4)	87.3	(0.4)	25.9	(2.8)
	Costa Rica	71.7	(0.7)	72.2	(0.7)	77.4	(0.5)	69.8	(0.6)	86.1	(0.5)	91.4	(0.4)	15.0	(2.7)
	Croatia	83.8	(0.5)	81.6	(0.6)	87.6	(0.5)	75.8	(0.7)	88.8	(0.6)	89.0	(0.5)	30.5	(3.7)
	Cyprus*	80.6	(0.5)	85.4	(0.5)	86.5	(0.4)	69.0	(0.6)	85.3	(0.4)	84.7	(0.5)	14.4	(0.1)
	Dominican Republic	66.1	(0.9)	66.2	(0.8)	69.1	(0.9)	71.0	(0.8)	82.5	(0.7)	90.8	(0.5)	17.1	(3.2)
	Hong Kong (China)	81.0	(0.7)	77.9	(0.7)	80.7	(0.7)	53.3	(1.0)	84.8	(0.6)	79.8	(0.7)	26.2	(4.2)
	Lithuania	64.5	(0.7)	62.6	(0.8)	69.0	(0.7)	74.3	(0.6)	86.4	(0.5)	87.3	(0.5)	23.4	(2.7)
	Macao (China)	76.1	(0.6)	65.9	(0.7)	80.0	(0.7)	55.5	(0.7)	83.3	(0.5)	88.4	(0.5)	37.1	(0.1)
	Montenegro	83.3	(0.5)	79.7	(0.5)	86.3	(0.4)	82.9	(0.5)	87.0	(0.4)	93.1	(0.4)	25.8	(0.3)
	Peru	75.9	(0.6)	77.2	(0.6)	82.5	(0.6)	77.8	(0.6)	92.8	(0.4)	88.5	(0.5)	36.0	(2.5)
	Qatar	77.8	(0.4)	82.9	(0.4)	80.5	(0.4)	63.7	(0.4)	79.9	(0.4)	78.9	(0.4)	65.0	(0.1)
	Russia	73.1	(0.7)	64.3	(0.7)	79.1	(0.6)	71.7	(1.1)	87.2	(0.8)	92.6	(0.6)	49.0	(3.8)
	Singapore	80.2	(0.6)	81.2	(0.5)	82.1	(0.6)	57.0	(0.6)	86.7	(0.4)	85.1	(0.4)	17.5	(1.0)
	Chinese Taipei	85.1	(0.4)	72.2	(0.5)	87.7	(0.4)	82.6	(0.5)	96.4	(0.2)	97.7	(0.2)	42.2	(3.5)
	Thailand	82.5	(0.5)	61.6	(0.8)	81.7	(0.7)	61.8	(0.8)	81.1	(0.8)	85.1	(0.8)	40.0	(4.0)
	Tunisia	83.4	(0.6)	80.3	(0.5)	85.0	(0.6)	65.9	(0.7)	73.2	(0.8)	75.5	(0.8)	16.3	(3.4)
	United Arab Emirates	79.8	(0.5)	79.1	(0.5)	82.6	(0.4)	62.9	(0.6)	80.9	(0.5)	80.6	(0.6)	51.1	(2.8)
	Uruguay	73.1	(0.6)	85.6	(0.5)	79.4	(0.6)	72.1	(0.6)	89.7	(0.4)	89.6	(0.4)	41.9	(2.8)
	Malaysia**	87.5	(0.6)	76.7	(0.7)	83.1	(0.6)	56.4	(0.9)	84.4	(0.8)	84.6	(0.6)	35.7	(3.4)

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616845>

[Part 1/2]

Table V.7.3 Student-student relationships and performance in collaborative problem solving

		After accounting for students' and schools' socio-economic profile ¹															
		Change in collaborative problem-solving score when students reported the following:															
		"Agree" or "strongly agree" that "I make friends easily at school"				"Agree" or "strongly agree" that "other students seem to like me"				"Disagree" or "strongly disagree" that "I feel lonely at school"				Other students "never or almost never" make fun of me			
		Student-level ²		School-level ³		Student-level		School-level		Student-level		School-level		Student-level		School-level	
		Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	-12	(3.2)	1	(1.4)	8	(4.7)	5	(2.1)	-3	(4.5)	3	(1.8)	2	(2.4)	3	(1.1)
	Austria	4	(3.4)	8	(3.6)	15	(3.7)	13	(3.2)	16	(3.9)	13	(4.2)	-8	(3.2)	1	(2.8)
	Belgium	-18	(2.9)	-3	(3.1)	-7	(3.8)	12	(3.2)	-2	(4.0)	13	(2.8)	-7	(2.0)	5	(2.3)
	Canada	-12	(4.2)	-2	(2.0)	22	(4.8)	7	(2.4)	2	(4.1)	0	(2.0)	2	(2.3)	3	(1.5)
	Chile	-1	(3.0)	1	(3.0)	12	(2.9)	4	(2.9)	11	(3.7)	4	(3.1)	1	(2.7)	2	(2.3)
	Czech Republic	-1	(2.6)	0	(1.8)	9	(3.7)	5	(2.4)	7	(4.0)	4	(2.2)	2	(3.3)	3	(1.4)
	Denmark	-11	(3.8)	1	(2.8)	12	(4.5)	4	(2.6)	2	(4.2)	0	(2.8)	-4	(3.0)	-1	(1.7)
	Estonia	-14	(4.6)	8	(2.4)	17	(4.1)	12	(2.2)	3	(3.9)	10	(2.6)	-6	(3.1)	5	(2.0)
	Finland	-14	(3.6)	-2	(3.1)	-3	(4.3)	5	(3.7)	1	(5.7)	3	(3.4)	0	(3.2)	1	(2.7)
	France	-12	(4.6)	5	(3.1)	-1	(5.0)	15	(3.8)	-4	(4.8)	7	(3.6)	-7	(2.8)	5	(2.3)
	Germany	-12	(3.2)	3	(3.0)	4	(4.7)	14	(3.7)	2	(4.8)	13	(3.1)	-14	(3.3)	0	(2.4)
	Greece	-1	(3.9)	-1	(2.9)	15	(4.4)	10	(2.9)	11	(4.8)	3	(4.1)	2	(3.0)	6	(2.4)
	Hungary	-13	(3.2)	1	(3.3)	-3	(3.4)	7	(3.0)	-3	(3.6)	6	(3.4)	-2	(3.0)	3	(2.2)
	Iceland	-9	(5.0)	0	(1.9)	13	(5.8)	0	(2.4)	14	(5.7)	-4	(2.6)	5	(4.7)	-1	(1.9)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Italy	-5	(4.1)	-7	(3.7)	10	(3.5)	1	(2.4)	13	(4.6)	5	(4.1)	m	m	m	m
	Japan	-5	(2.9)	2	(3.5)	5	(2.7)	12	(2.4)	4	(3.9)	14	(3.8)	-11	(2.2)	-1	(2.3)
	Korea	-11	(3.1)	-2	(2.7)	1	(2.9)	8	(3.7)	-2	(4.8)	1	(5.2)	-13	(3.1)	4	(2.8)
	Latvia	-12	(3.6)	-2	(1.9)	4	(3.2)	1	(1.4)	0	(5.2)	2	(2.2)	0	(3.1)	1	(1.1)
	Luxembourg	-3	(4.3)	9	(3.6)	18	(4.5)	30	(3.7)	13	(5.2)	29	(4.1)	1	(3.5)	9	(2.6)
	Mexico	8	(2.9)	2	(2.1)	9	(2.4)	7	(2.0)	15	(2.9)	10	(2.4)	-4	(2.4)	4	(1.5)
	Netherlands	-8	(4.6)	9	(4.2)	16	(4.9)	23	(5.5)	18	(4.7)	24	(6.6)	-10	(3.5)	3	(4.5)
	New Zealand	-9	(4.0)	-2	(2.7)	24	(5.9)	0	(4.0)	9	(4.4)	-6	(2.7)	8	(3.6)	5	(1.9)
	Norway	-10	(4.6)	3	(2.4)	14	(4.6)	4	(2.7)	6	(4.8)	3	(2.7)	1	(4.2)	4	(2.5)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	-9	(3.0)	1	(2.6)	9	(4.5)	12	(3.7)	9	(4.5)	7	(3.9)	2	(4.0)	7	(2.6)
	Slovak Republic	-1	(3.0)	-1	(2.2)	3	(3.3)	1	(2.1)	13	(3.5)	4	(2.4)	-3	(2.8)	5	(1.7)
	Slovenia	7	(4.0)	0	(2.0)	6	(3.3)	6	(1.9)	13	(4.4)	8	(2.8)	-2	(3.1)	4	(1.5)
	Spain	1	(3.3)	3	(2.7)	18	(3.8)	3	(2.6)	22	(3.7)	7	(3.8)	2	(2.9)	2	(1.8)
	Sweden	6	(3.9)	2	(2.6)	22	(3.7)	2	(2.8)	16	(3.7)	1	(2.7)	-5	(3.5)	1	(2.2)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	0	(2.5)	12	(3.0)	-2	(3.0)	13	(2.9)	2	(3.2)	12	(3.0)	2	(3.0)	3	(3.5)
	United Kingdom	-14	(4.3)	3	(2.8)	1	(4.3)	5	(3.7)	-11	(4.7)	5	(3.2)	-5	(3.3)	0	(2.1)
	United States	-9	(4.4)	-5	(3.5)	14	(6.0)	1	(3.9)	-8	(4.5)	0	(3.5)	2	(3.7)	0	(2.4)
	OECD average	-6	(0.7)	2	(0.5)	9	(0.7)	8	(0.6)	6	(0.8)	7	(0.6)	-2	(0.6)	3	(0.4)
Partners	Brazil	-5	(1.9)	2	(1.8)	14	(2.4)	9	(1.7)	17	(2.9)	10	(1.6)	3	(2.9)	3	(1.8)
	B-S-J-G (China)	-9	(3.2)	4	(4.6)	-4	(2.9)	1	(3.2)	-1	(3.0)	4	(4.5)	8	(3.1)	7	(4.2)
	Bulgaria	-2	(2.9)	-1	(3.0)	1	(2.6)	2	(2.3)	9	(3.8)	8	(2.7)	-1	(2.8)	4	(2.1)
	Colombia	8	(2.4)	4	(2.2)	16	(2.5)	2	(2.3)	13	(2.5)	4	(2.0)	-7	(2.3)	0	(2.3)
	Costa Rica	4	(3.1)	-1	(2.0)	11	(2.8)	3	(2.0)	11	(3.2)	-1	(2.7)	-6	(3.7)	-2	(2.0)
	Croatia	-3	(3.5)	5	(4.1)	-2	(3.1)	12	(3.6)	8	(3.6)	20	(3.8)	-3	(3.0)	10	(3.0)
	Cyprus*	1	(4.1)	5	(1.9)	21	(4.5)	24	(2.2)	22	(5.4)	14	(2.4)	7	(3.8)	12	(1.5)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	5	(4.0)	13	(3.9)	10	(3.9)	19	(3.2)	15	(3.9)	7	(4.4)	2	(2.9)	6	(3.3)
	Lithuania	8	(3.3)	2	(2.3)	12	(3.3)	3	(2.6)	8	(3.2)	4	(2.1)	-9	(2.7)	1	(1.8)
	Macao (China)	-8	(3.9)	19	(3.0)	13	(3.8)	7	(1.9)	5	(4.4)	19	(2.7)	10	(3.6)	19	(1.2)
	Montenegro	-1	(4.4)	7	(3.9)	11	(3.6)	8	(2.8)	18	(5.2)	19	(3.5)	-1	(3.3)	2	(2.2)
	Peru	2	(3.3)	2	(1.7)	11	(3.6)	5	(2.0)	17	(2.9)	8	(2.1)	-4	(2.9)	-1	(1.6)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	-15	(3.6)	-2	(2.2)	0	(3.7)	-1	(2.4)	6	(3.5)	4	(2.7)	-4	(3.0)	1	(2.4)
	Singapore	-6	(3.9)	1	(4.5)	21	(4.1)	5	(2.7)	3	(3.5)	9	(2.9)	9	(3.7)	5	(1.4)
	Chinese Taipei	-8	(3.4)	0	(4.3)	0	(2.9)	0	(2.9)	13	(3.8)	3	(4.1)	0	(2.6)	5	(2.9)
	Thailand	11	(3.6)	9	(3.2)	7	(2.5)	7	(2.3)	18	(3.1)	11	(2.8)	10	(2.5)	8	(2.0)
	Tunisia	-5	(3.2)	2	(3.1)	1	(2.8)	-3	(2.8)	4	(3.0)	4	(2.3)	-2	(2.0)	-1	(2.0)
	United Arab Emirates	-2	(3.0)	4	(3.6)	13	(3.0)	20	(2.5)	14	(3.0)	18	(2.7)	7	(2.4)	6	(2.1)
Uruguay	2	(3.5)	-1	(2.4)	31	(4.0)	10	(2.8)	16	(3.1)	7	(2.0)	-10	(2.9)	0	(2.0)	
Malaysia**	5	(4.2)	5	(4.0)	14	(3.1)	1	(3.1)	20	(3.6)	6	(2.8)	6	(2.0)	-1	(1.9)	

1. Socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Student-level refers to the change in collaborative problem-solving score associated with students reporting the above.

3. School-level refers to the change in collaborative problem-solving score per 10 percentage-point increase in the number of schoolmates who reported the above.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

Questionnaire items that are measured at both the student and school levels are included in the same regression model.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 2/2]

Table V.7.3 Student-student relationships and performance in collaborative problem solving

		After accounting for students' and schools' socio-economic profile ¹									
		Change in collaborative problem-solving score when students reported the following:								Change in collaborative problem-solving score when principals reported that students' learning is not hindered "at all" by students intimidating or bullying other students	
		I am "never or almost never" threatened by other students				I "never or almost never" get hit or pushed around by other students					
		Student-level ²		School-level ³		Student-level		School-level			
		Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	23	(3.5)	5	(1.3)	22	(3.9)	7	(1.4)	12	(6.4)
	Austria	14	(5.7)	17	(4.1)	9	(5.4)	19	(2.8)	4	(7.6)
	Belgium	10	(4.6)	21	(2.8)	9	(3.6)	15	(3.3)	-18	(8.4)
	Canada	29	(3.9)	6	(2.0)	22	(3.5)	4	(2.6)	-1	(5.7)
	Chile	16	(4.9)	11	(3.0)	13	(5.3)	10	(2.9)	5	(6.5)
	Czech Republic	25	(4.5)	11	(2.1)	15	(3.8)	4	(1.9)	11	(4.6)
	Denmark	28	(6.4)	3	(3.5)	17	(4.7)	4	(2.1)	-1	(5.5)
	Estonia	24	(5.0)	13	(3.1)	11	(4.6)	2	(3.0)	-5	(6.0)
	Finland	24	(5.3)	6	(3.9)	25	(4.8)	5	(3.2)	9	(12.2)
	France	4	(4.6)	17	(3.3)	0	(4.8)	15	(2.8)	8	(6.2)
	Germany	4	(7.7)	17	(4.0)	19	(7.0)	17	(4.4)	13	(15.4)
	Greece	36	(5.7)	20	(4.1)	15	(5.0)	13	(3.1)	14	(5.5)
	Hungary	7	(6.1)	10	(3.8)	8	(4.5)	12	(3.2)	11	(5.6)
	Iceland	16	(6.9)	0	(2.2)	17	(7.1)	4	(3.0)	10	(5.1)
	Ireland	m	m	m	m	m	m	m	m	m	m
	Israel	m	m	m	m	m	m	m	m	10	(8.2)
	Italy	m	m	m	m	m	m	m	m	7	(7.4)
	Japan	12	(5.0)	15	(4.7)	-5	(3.2)	7	(2.9)	6	(5.7)
	Korea	-1	(8.7)	22	(7.7)	1	(10.7)	24	(8.3)	19	(4.3)
	Latvia	16	(4.3)	4	(1.9)	9	(3.9)	1	(1.3)	1	(4.2)
	Luxembourg	40	(5.7)	27	(4.9)	39	(5.3)	20	(4.1)	7	(3.9)
	Mexico	6	(4.0)	9	(2.4)	2	(3.4)	9	(2.2)	1	(4.9)
	Netherlands	8	(6.8)	27	(6.3)	8	(6.7)	28	(6.3)	c	c
	New Zealand	28	(5.0)	9	(2.3)	22	(5.5)	9	(2.0)	-9	(6.8)
	Norway	31	(5.4)	8	(3.0)	28	(4.1)	8	(3.3)	-5	(17.0)
	Poland	m	m	m	m	m	m	m	m	m	m
	Portugal	22	(4.2)	11	(3.1)	32	(5.5)	15	(3.9)	4	(5.8)
	Slovak Republic	15	(4.1)	9	(2.3)	2	(4.2)	9	(2.2)	12	(4.8)
	Slovenia	17	(5.1)	11	(2.1)	8	(4.4)	12	(1.4)	19	(3.0)
	Spain	30	(5.6)	9	(3.7)	26	(4.5)	6	(3.1)	-3	(5.1)
	Sweden	19	(5.8)	3	(2.8)	15	(4.6)	4	(2.7)	7	(7.8)
	Switzerland	m	m	m	m	m	m	m	m	m	m
	Turkey	6	(4.1)	16	(3.0)	12	(4.3)	20	(4.1)	24	(6.9)
United Kingdom	11	(4.6)	5	(2.5)	8	(5.0)	6	(3.3)	10	(7.0)	
United States	33	(4.3)	3	(3.8)	25	(5.3)	6	(4.2)	3	(9.1)	
OECD average	18	(1.0)	11	(0.7)	14	(0.9)	11	(0.6)	6	(1.3)	
Partners	Brazil	14	(4.2)	11	(2.0)	21	(3.8)	12	(2.4)	1	(4.9)
	B-S-J-G (China)	22	(4.4)	20	(5.2)	17	(5.4)	19	(5.4)	8	(6.0)
	Bulgaria	12	(4.3)	12	(2.3)	6	(3.0)	11	(2.6)	3	(4.8)
	Colombia	13	(3.7)	6	(3.7)	8	(3.3)	7	(3.3)	-2	(5.5)
	Costa Rica	2	(4.0)	2	(3.0)	5	(4.9)	7	(3.7)	0	(5.7)
	Croatia	13	(4.5)	22	(3.4)	7	(4.4)	19	(3.3)	11	(6.9)
	Cyprus*	34	(3.5)	21	(1.8)	26	(4.1)	20	(1.8)	8	(4.2)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	25	(4.4)	21	(3.3)	13	(4.1)	18	(3.4)	24	(8.6)
	Lithuania	12	(3.5)	11	(2.6)	6	(4.4)	11	(3.0)	19	(5.0)
	Macao (China)	30	(3.9)	28	(1.3)	28	(5.7)	36	(1.8)	27	(3.2)
	Montenegro	14	(3.6)	7	(2.1)	21	(5.0)	9	(4.2)	13	(3.4)
	Peru	17	(4.7)	7	(2.1)	9	(3.4)	3	(2.2)	0	(3.6)
	Qatar	m	m	m	m	m	m	m	m	m	m
	Russia	10	(5.3)	1	(4.0)	21	(6.6)	7	(6.3)	5	(4.6)
	Singapore	34	(4.6)	10	(1.9)	26	(4.3)	7	(1.8)	2	(5.1)
	Chinese Taipei	27	(5.5)	7	(5.9)	20	(8.6)	13	(8.4)	1	(5.3)
	Thailand	20	(3.7)	11	(2.5)	31	(3.6)	13	(2.2)	-3	(6.3)
	Tunisia	4	(2.6)	5	(2.1)	4	(3.1)	6	(1.9)	11	(6.7)
	United Arab Emirates	24	(2.6)	18	(1.8)	23	(2.6)	15	(1.3)	1	(5.3)
Uruguay	11	(3.7)	10	(2.9)	9	(4.5)	9	(2.6)	14	(4.4)	
Malaysia**	32	(2.8)	4	(2.7)	24	(3.3)	6	(2.8)	6	(4.3)	

1. Socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Student-level refers to the change in collaborative problem-solving score associated with students reporting the above.

3. School-level refers to the change in collaborative problem-solving score per 10 percentage-point increase in the number of schoolmates who reported the above.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

Questionnaire items that are measured at both the student and school levels are included in the same regression model.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/2]

Table V.7.4 Student-student relationships and relative performance in collaborative problem solving

	After accounting for performance in science, reading and mathematics									
	Change in collaborative problem-solving score when students reported the following:									
	"Agree" or "strongly agree" that "I make friends easily at school"		"Agree" or "strongly agree" that "other students seem to like me"		"Disagree" or "strongly disagree" that "I feel lonely at school"		Other students "never or almost never" make fun of me			
	Student-level ¹		School-level ²		Student-level		School-level		Student-level	
	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	-4 (2.9)	0 (1.1)	-6 (3.8)	0 (1.4)	-8 (4.2)	1 (1.3)	-3 (2.2)	1 (0.9)	
	Austria	4 (2.9)	3 (2.0)	6 (3.1)	4 (1.8)	7 (3.0)	4 (2.3)	1 (2.4)	3 (1.6)	
	Belgium	-6 (2.3)	-3 (2.1)	-6 (3.2)	3 (2.0)	-8 (3.1)	2 (2.0)	-2 (1.7)	1 (1.5)	
	Canada	-7 (4.0)	-4 (1.5)	6 (4.4)	-1 (1.7)	-4 (3.3)	-3 (1.4)	-3 (2.2)	-1 (1.3)	
	Chile	1 (2.5)	-2 (1.8)	1 (2.2)	0 (1.4)	2 (3.6)	-2 (1.9)	5 (2.3)	2 (1.7)	
	Czech Republic	5 (2.3)	0 (1.4)	4 (3.2)	1 (1.3)	2 (3.4)	1 (1.4)	4 (3.3)	1 (0.9)	
	Denmark	-7 (2.8)	1 (1.6)	-3 (4.2)	0 (1.6)	-9 (3.1)	0 (1.8)	-2 (2.6)	-1 (1.4)	
	Estonia	-2 (3.9)	3 (1.3)	6 (3.5)	5 (1.3)	-2 (3.1)	3 (1.7)	1 (2.7)	2 (1.2)	
	Finland	-2 (3.0)	2 (2.4)	-4 (3.0)	2 (2.5)	-8 (3.9)	3 (3.2)	1 (2.7)	0 (1.9)	
	France	-6 (4.0)	-1 (1.8)	-4 (3.6)	1 (2.0)	-9 (4.1)	1 (2.0)	-2 (2.6)	2 (1.2)	
	Germany	-5 (2.4)	0 (1.9)	-3 (3.8)	2 (2.2)	-5 (3.6)	4 (2.1)	-7 (2.8)	0 (1.6)	
	Greece	3 (3.1)	1 (1.5)	3 (3.2)	3 (1.5)	3 (4.2)	-2 (2.5)	3 (2.3)	1 (1.3)	
	Hungary	-8 (2.6)	0 (1.8)	-7 (2.9)	1 (1.3)	-7 (3.1)	2 (1.7)	-2 (2.6)	2 (1.2)	
	Iceland	-11 (3.7)	-1 (1.5)	-7 (4.2)	-2 (1.7)	-4 (4.0)	-2 (1.7)	0 (3.3)	1 (1.4)	
	Ireland	m	m	m	m	m	m	m	m	m
	Israel	m	m	m	m	m	m	m	m	m
	Italy	1 (4.2)	-5 (2.5)	5 (3.3)	-3 (1.6)	5 (3.7)	0 (2.6)	m	m	m
	Japan	1 (3.0)	-1 (1.9)	1 (2.6)	-1 (1.6)	-3 (3.1)	-1 (2.4)	-4 (1.8)	0 (1.4)	
	Korea	-2 (2.7)	-2 (1.8)	-1 (2.3)	-1 (1.9)	0 (3.1)	-1 (2.9)	2 (2.5)	1 (1.5)	
	Latvia	-1 (2.7)	-1 (1.2)	0 (2.6)	0 (1.2)	-5 (4.2)	0 (1.4)	-2 (2.4)	1 (0.8)	
	Luxembourg	-4 (3.4)	3 (2.8)	0 (4.4)	8 (2.2)	-2 (4.5)	12 (3.4)	-2 (2.9)	1 (2.1)	
	Mexico	3 (2.7)	3 (1.3)	-1 (2.3)	4 (1.2)	4 (2.5)	5 (1.3)	0 (1.9)	1 (1.0)	
	Netherlands	-1 (4.5)	7 (2.3)	4 (5.0)	5 (2.8)	7 (4.9)	3 (3.4)	-5 (3.1)	5 (2.5)	
	New Zealand	-1 (3.0)	-1 (1.8)	4 (3.9)	-1 (2.4)	3 (3.8)	-3 (1.5)	1 (2.8)	4 (1.4)	
	Norway	-11 (3.9)	-1 (2.0)	-4 (3.6)	1 (1.9)	-8 (4.2)	0 (2.1)	-3 (3.4)	2 (2.0)	
	Poland	m	m	m	m	m	m	m	m	m
	Portugal	-4 (2.6)	0 (1.8)	2 (3.3)	3 (2.3)	0 (3.5)	-2 (2.6)	-2 (3.4)	-1 (2.0)	
	Slovak Republic	-2 (2.8)	-1 (1.3)	-1 (3.3)	0 (1.2)	4 (3.0)	1 (1.5)	-6 (2.2)	0 (1.1)	
	Slovenia	7 (3.4)	1 (1.3)	0 (3.0)	2 (1.2)	4 (3.6)	3 (2.0)	2 (2.7)	0 (1.0)	
	Spain	8 (2.6)	0 (1.8)	10 (3.2)	1 (1.6)	9 (3.0)	3 (2.7)	6 (2.4)	2 (1.5)	
	Sweden	2 (3.5)	0 (1.6)	4 (3.6)	-1 (2.0)	3 (3.0)	0 (1.7)	-4 (2.7)	1 (1.4)	
	Switzerland	m	m	m	m	m	m	m	m	m
	Turkey	0 (2.3)	1 (1.6)	-2 (2.9)	4 (1.7)	2 (3.0)	4 (1.6)	3 (2.9)	2 (1.9)	
	United Kingdom	-5 (3.2)	1 (1.8)	-6 (4.3)	1 (2.7)	-10 (3.1)	3 (2.6)	-4 (2.5)	0 (1.5)	
	United States	-3 (3.1)	0 (2.2)	-2 (3.6)	0 (2.6)	-11 (3.6)	1 (2.2)	-1 (2.6)	2 (2.3)	
	OECD average	-2 (0.6)	0 (0.3)	0 (0.6)	1 (0.3)	-2 (0.6)	1 (0.4)	-1 (0.5)	1 (0.3)	
Partners	Brazil	-2 (1.8)	-1 (1.2)	3 (2.1)	1 (1.4)	5 (2.7)	1 (1.5)	1 (2.8)	0 (1.4)	
	B-S-J-G (China)	-6 (3.0)	2 (2.3)	-3 (2.6)	0 (1.7)	-3 (2.5)	0 (2.1)	7 (2.6)	1 (2.3)	
	Bulgaria	-1 (2.4)	1 (1.7)	-4 (2.2)	2 (1.5)	-1 (3.1)	3 (1.6)	-1 (2.3)	1 (1.4)	
	Colombia	2 (2.2)	-1 (1.6)	3 (2.6)	2 (1.4)	4 (2.0)	1 (1.2)	-3 (2.1)	0 (1.4)	
	Costa Rica	3 (2.2)	-1 (1.5)	6 (2.4)	0 (1.7)	6 (2.4)	0 (1.9)	3 (3.7)	0 (1.7)	
	Croatia	-2 (2.9)	-1 (2.2)	-5 (2.6)	3 (2.1)	2 (3.0)	5 (2.4)	2 (2.4)	1 (1.8)	
	Cyprus*	2 (3.3)	0 (1.7)	6 (3.5)	4 (1.9)	6 (4.1)	0 (2.2)	2 (3.0)	2 (1.3)	
	Dominican Republic	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	11 (3.0)	4 (1.7)	8 (2.9)	4 (2.1)	9 (2.9)	2 (2.2)	2 (2.2)	5 (1.7)	
	Lithuania	5 (3.0)	2 (1.1)	7 (3.0)	2 (1.3)	2 (3.0)	2 (1.1)	-4 (2.4)	0 (1.2)	
	Macao (China)	1 (2.7)	1 (2.4)	5 (2.8)	-1 (1.6)	2 (3.3)	3 (2.5)	5 (2.9)	4 (1.2)	
	Montenegro	-1 (4.0)	-2 (2.8)	4 (3.7)	1 (2.0)	7 (5.0)	3 (2.5)	0 (3.1)	-3 (1.5)	
	Peru	-3 (3.3)	1 (1.2)	-2 (3.5)	3 (1.3)	0 (2.4)	4 (1.5)	-1 (2.3)	1 (1.3)	
	Qatar	m	m	m	m	m	m	m	m	m
	Russia	-3 (2.9)	-5 (2.1)	0 (2.8)	-1 (2.1)	2 (3.5)	0 (2.3)	3 (2.6)	-3 (1.7)	
	Singapore	-2 (3.3)	-3 (1.8)	3 (2.5)	-1 (1.5)	-3 (2.9)	-1 (1.5)	4 (3.1)	2 (1.0)	
	Chinese Taipei	0 (3.1)	-3 (2.7)	2 (2.7)	-2 (2.3)	5 (2.9)	-1 (2.8)	5 (2.1)	3 (2.1)	
	Thailand	5 (3.8)	5 (2.1)	2 (1.7)	2 (1.7)	3 (2.4)	3 (1.8)	2 (2.2)	5 (1.8)	
	Tunisia	-4 (3.2)	1 (2.3)	-1 (3.1)	-4 (1.9)	1 (3.1)	-1 (1.9)	1 (2.0)	-4 (1.3)	
	United Arab Emirates	-3 (2.8)	-2 (1.9)	0 (2.3)	3 (1.4)	-1 (2.8)	2 (1.4)	2 (2.1)	2 (1.1)	
	Uruguay	2 (2.8)	0 (1.6)	11 (3.5)	2 (1.7)	7 (2.4)	2 (1.7)	-6 (2.1)	0 (1.7)	
	Malaysia**	11 (4.1)	-2 (2.1)	4 (2.2)	-2 (2.4)	4 (3.2)	-1 (2.0)	2 (1.4)	-3 (1.5)	

1. Student-level refers to the change in collaborative problem-solving score associated with students reporting the above.

2. School-level refers to the change in collaborative problem-solving score per 10 percentage-point increase in the number of schoolmates who reported the above.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

Questionnaire items that are measured at both the student and school levels are included in the same regression model.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 2/2]

Table V.7.4 Student-student relationships and relative performance in collaborative problem solving

		After accounting for performance in science, reading and mathematics									
		Change in collaborative problem-solving score when students reported the following:								Change in collaborative problem-solving score when principals reported that students' learning is not hindered "at all" by students intimidating or bullying other students	
		I am "never or almost never" threatened by other students				I "never or almost never" get hit or pushed around by other students					
		Student-level ¹		School-level ²		Student-level		School-level			
		Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	2	(2.8)	0	(1.0)	6	(3.3)	1	(1.1)	1	(3.3)
	Austria	-1	(5.1)	5	(2.3)	3	(4.6)	9	(1.9)	-2	(5.5)
	Belgium	-4	(4.0)	4	(2.0)	1	(3.4)	5	(2.0)	-8	(4.5)
	Canada	2	(3.2)	-3	(1.7)	6	(3.0)	-2	(1.8)	-9	(5.3)
	Chile	3	(4.3)	-2	(2.0)	0	(4.0)	-2	(2.0)	3	(4.2)
	Czech Republic	16	(4.2)	2	(1.6)	12	(3.8)	2	(1.2)	3	(3.2)
	Denmark	4	(4.7)	0	(2.3)	6	(3.7)	1	(1.5)	0	(3.6)
	Estonia	10	(3.5)	1	(1.7)	6	(3.2)	1	(1.7)	-7	(3.9)
	Finland	2	(4.3)	-2	(3.0)	7	(4.0)	-2	(2.3)	0	(8.5)
	France	-4	(3.9)	3	(2.1)	-5	(3.9)	2	(1.9)	-2	(3.6)
	Germany	-6	(6.2)	2	(2.9)	0	(5.0)	3	(3.4)	1	(8.6)
	Greece	11	(4.9)	2	(2.2)	6	(4.0)	2	(1.8)	-1	(2.9)
	Hungary	-1	(5.9)	2	(1.8)	2	(3.9)	3	(1.8)	3	(2.5)
	Iceland	-4	(4.6)	0	(1.4)	-4	(5.4)	-2	(2.0)	3	(3.4)
	Ireland	m	m	m	m	m	m	m	m	m	m
	Israel	m	m	m	m	m	m	m	m	-2	(4.4)
	Italy	m	m	m	m	m	m	m	m	8	(4.8)
	Japan	4	(4.7)	2	(2.8)	-2	(3.2)	3	(1.6)	1	(3.5)
	Korea	-3	(7.4)	8	(4.4)	-12	(8.6)	5	(5.3)	3	(3.1)
	Latvia	-1	(3.1)	0	(1.2)	-3	(3.1)	-1	(0.9)	-1	(2.7)
	Luxembourg	2	(4.2)	9	(3.2)	2	(4.8)	8	(3.0)	7	(3.2)
	Mexico	-3	(3.7)	3	(1.5)	-2	(3.1)	3	(1.3)	-1	(2.9)
	Netherlands	-5	(5.5)	1	(4.1)	-1	(4.8)	4	(4.2)	c	c
	New Zealand	5	(3.4)	3	(1.6)	5	(3.8)	3	(1.5)	-8	(5.5)
	Norway	5	(4.0)	4	(2.2)	9	(3.3)	2	(2.5)	-6	(10.2)
	Poland	m	m	m	m	m	m	m	m	m	m
	Portugal	5	(3.6)	-2	(2.8)	11	(4.9)	-1	(3.3)	-5	(3.2)
	Slovak Republic	-5	(3.1)	0	(1.3)	-15	(3.6)	0	(1.3)	1	(3.5)
	Slovenia	5	(3.8)	3	(1.7)	4	(3.5)	4	(1.3)	5	(3.1)
	Spain	15	(4.6)	4	(3.0)	17	(3.3)	3	(2.3)	-2	(3.2)
	Sweden	-2	(5.2)	0	(1.9)	-3	(4.1)	1	(1.9)	4	(5.1)
	Switzerland	m	m	m	m	m	m	m	m	m	m
	Turkey	1	(3.4)	2	(2.2)	3	(4.0)	3	(2.5)	9	(3.4)
United Kingdom	-3	(3.9)	1	(1.9)	-3	(4.0)	4	(2.1)	5	(5.4)	
United States	6	(3.0)	1	(3.0)	4	(3.8)	4	(3.0)	6	(6.0)	
OECD average	2	(0.8)	2	(0.4)	2	(0.8)	2	(0.4)	0	(0.9)	
Partners	Brazil	-2	(3.8)	1	(1.6)	-1	(3.4)	0	(1.8)	-2	(3.8)
	B-S-J-G (China)	8	(3.9)	2	(2.5)	7	(4.8)	1	(2.5)	1	(3.5)
	Bulgaria	-1	(3.1)	3	(1.3)	2	(2.1)	3	(1.4)	2	(2.9)
	Colombia	-3	(2.8)	2	(2.0)	-2	(2.8)	3	(1.8)	-4	(4.2)
	Costa Rica	1	(4.2)	1	(2.2)	1	(5.0)	3	(2.8)	1	(5.3)
	Croatia	3	(4.1)	5	(2.1)	6	(3.7)	6	(1.9)	0	(3.3)
	Cyprus*	7	(2.9)	3	(1.8)	3	(2.9)	2	(1.7)	0	(3.5)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	8	(3.2)	7	(2.0)	5	(3.1)	7	(1.8)	6	(4.0)
	Lithuania	0	(2.7)	3	(1.4)	-1	(3.1)	2	(1.5)	6	(2.9)
	Macao (China)	10	(3.1)	6	(1.4)	12	(4.8)	8	(1.9)	3	(3.4)
	Montenegro	6	(3.4)	2	(1.9)	4	(4.4)	-2	(2.9)	0	(2.9)
	Peru	4	(3.8)	6	(1.6)	2	(2.9)	4	(1.6)	2	(2.5)
	Qatar	m	m	m	m	m	m	m	m	m	m
	Russia	0	(5.1)	-4	(3.0)	2	(6.5)	-1	(4.4)	-2	(4.3)
	Singapore	10	(3.8)	1	(1.3)	8	(3.4)	2	(1.2)	0	(2.6)
	Chinese Taipei	12	(4.8)	0	(4.6)	11	(7.4)	4	(5.7)	-1	(3.5)
	Thailand	4	(3.0)	6	(1.8)	5	(3.3)	6	(1.8)	1	(4.0)
	Tunisia	3	(2.3)	1	(1.8)	4	(2.7)	1	(1.6)	4	(4.1)
	United Arab Emirates	1	(2.2)	4	(1.1)	3	(2.2)	4	(1.2)	-5	(2.8)
Uruguay	-2	(2.9)	1	(2.4)	-4	(3.5)	1	(2.1)	2	(3.1)	
Malaysia**	4	(2.1)	-2	(2.0)	4	(2.4)	-1	(2.2)	-3	(3.7)	

1. Student-level refers to the change in collaborative problem-solving score associated with students reporting the above.

2. School-level refers to the change in collaborative problem-solving score per 10 percentage-point increase in the number of schoolmates who reported the above.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

Questionnaire items that are measured at both the student and school levels are included in the same regression model.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/1]

Table V.7.16 Student-teacher relationships

		Percentage of students who reported the following:										Percentage of students in schools whose principal reported the following:					
		In "every lesson", the teacher gives extra help when students need it		In "every lesson", the teacher continues teaching until the students understand		Teachers "never or almost never" discipline me more harshly than other students		Teachers "never or almost never" say something insulting to me in front of others		Students "never or hardly ever" don't listen to what the teacher says		The teacher "never or hardly ever" has to wait a long time for students to quiet down		Students' learning is "not hindered at all" by students lacking respect for teachers		Students' learning is "not hindered at all" by teachers being too strict with students	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	48.5	(0.7)	43.5	(0.7)	63.5	(0.6)	67.6	(0.5)	14.4	(0.4)	21.5	(0.6)	20.7	(1.6)	30.5	(2.1)
	Austria	30.7	(0.9)	29.6	(1.0)	58.0	(0.7)	77.4	(0.6)	33.2	(1.2)	33.4	(1.2)	28.2	(3.0)	30.9	(3.4)
	Belgium	36.7	(0.7)	35.0	(0.8)	66.4	(0.6)	74.3	(0.7)	16.9	(0.6)	22.0	(0.7)	7.3	(1.8)	19.6	(2.3)
	Canada	52.5	(0.7)	44.7	(0.6)	m	m	m	m	19.9	(0.6)	29.9	(0.7)	14.4	(1.9)	26.7	(2.3)
	Chile	46.5	(1.0)	47.8	(1.1)	66.8	(0.6)	89.7	(0.5)	14.7	(0.9)	18.5	(1.0)	28.2	(3.3)	17.7	(3.2)
	Czech Republic	40.7	(0.9)	23.6	(0.8)	76.8	(0.7)	65.2	(0.8)	8.9	(0.6)	21.1	(0.9)	17.7	(2.6)	29.1	(2.6)
	Denmark	37.0	(1.0)	39.0	(0.9)	71.2	(0.6)	69.9	(0.7)	17.4	(0.9)	33.1	(1.2)	23.5	(3.1)	41.5	(3.2)
	Estonia	40.9	(1.0)	31.7	(0.9)	68.6	(0.8)	62.2	(0.8)	9.8	(0.6)	23.9	(0.9)	29.2	(2.6)	30.6	(2.5)
	Finland	48.0	(0.8)	36.3	(0.9)	63.5	(0.8)	74.2	(0.7)	11.8	(0.6)	20.2	(0.8)	8.8	(2.0)	34.7	(3.5)
	France	34.9	(0.9)	36.5	(0.9)	72.2	(0.7)	77.0	(0.5)	12.3	(0.6)	21.2	(0.7)	19.9	(2.5)	21.1	(2.7)
	Germany	32.8	(0.9)	30.1	(0.9)	59.5	(0.8)	83.7	(0.7)	15.3	(0.6)	24.3	(0.9)	14.1	(2.6)	23.8	(3.2)
	Greece	39.7	(1.1)	38.5	(1.0)	76.9	(0.8)	74.8	(0.7)	10.2	(0.6)	22.7	(1.0)	32.7	(3.4)	32.8	(4.0)
	Hungary	32.5	(0.9)	27.9	(0.9)	62.6	(0.8)	66.4	(0.7)	13.4	(0.7)	21.2	(0.8)	25.9	(2.9)	40.8	(3.6)
	Iceland	45.8	(0.8)	52.4	(0.8)	74.8	(0.8)	78.9	(0.8)	23.5	(0.7)	23.4	(0.6)	16.3	(0.2)	49.4	(0.3)
	Ireland	41.7	(0.9)	43.7	(1.0)	63.3	(0.8)	69.5	(0.7)	17.2	(0.7)	32.5	(0.9)	21.2	(3.3)	28.1	(3.5)
	Israel	35.5	(0.8)	44.4	(1.0)	m	m	m	m	19.0	(0.9)	26.4	(1.2)	19.6	(3.2)	26.1	(3.7)
	Italy	28.9	(0.8)	29.3	(0.6)	m	m	m	m	12.2	(0.5)	25.0	(0.7)	26.6	(3.4)	12.6	(2.3)
	Japan	34.7	(0.8)	30.6	(0.8)	82.6	(0.5)	88.9	(0.4)	49.5	(1.2)	63.9	(1.4)	16.0	(2.8)	10.6	(2.3)
	Korea	29.4	(0.8)	28.8	(0.8)	80.9	(0.6)	85.7	(0.5)	48.2	(1.2)	47.4	(1.3)	18.0	(2.9)	30.4	(3.5)
	Latvia	38.6	(0.8)	33.2	(0.7)	68.3	(0.7)	60.4	(1.0)	8.8	(0.5)	19.4	(0.8)	14.2	(2.0)	21.7	(2.3)
	Luxembourg	33.1	(0.7)	33.6	(0.7)	63.0	(0.6)	76.0	(0.6)	16.7	(0.5)	26.8	(0.6)	9.0	(0.1)	24.2	(0.1)
	Mexico	54.7	(1.0)	54.2	(0.9)	82.8	(0.6)	88.2	(0.5)	16.5	(0.7)	36.4	(1.1)	26.3	(2.5)	12.4	(1.9)
	Netherlands	27.3	(1.0)	23.2	(0.9)	71.4	(0.7)	83.7	(0.6)	17.9	(0.8)	14.3	(0.7)	8.5	(3.1)	8.8	(2.9)
	New Zealand	50.3	(0.9)	42.5	(0.9)	62.4	(0.8)	64.4	(0.8)	16.5	(0.6)	23.4	(0.8)	20.1	(2.9)	29.7	(3.0)
	Norway	36.1	(0.9)	38.8	(1.0)	68.4	(0.7)	72.5	(0.7)	27.4	(1.0)	29.2	(1.1)	9.3	(2.2)	21.3	(3.0)
	Poland	34.2	(0.9)	33.2	(1.0)	65.8	(0.9)	74.4	(0.8)	10.7	(0.6)	22.8	(0.9)	23.0	(3.3)	53.1	(3.6)
	Portugal	54.8	(1.0)	56.7	(1.1)	55.2	(0.6)	81.9	(0.6)	19.1	(0.9)	27.4	(1.0)	10.6	(1.9)	32.9	(3.5)
	Slovak Republic	33.4	(0.9)	27.6	(0.9)	73.0	(0.7)	74.5	(0.8)	10.9	(0.6)	24.1	(0.9)	21.0	(2.7)	29.3	(2.5)
	Slovenia	29.6	(0.9)	21.9	(1.0)	74.1	(0.7)	76.3	(0.7)	13.2	(0.8)	26.5	(1.1)	31.0	(0.3)	28.6	(0.4)
	Spain	37.7	(1.1)	42.0	(1.0)	73.8	(0.7)	79.7	(0.7)	13.5	(0.7)	20.8	(0.9)	13.1	(2.0)	23.9	(3.0)
	Sweden	39.5	(1.2)	42.2	(1.2)	74.7	(0.7)	79.4	(0.5)	20.5	(1.0)	26.3	(1.0)	19.6	(2.8)	52.1	(3.4)
	Switzerland	37.0	(1.0)	34.3	(0.9)	62.9	(0.7)	79.2	(0.8)	21.6	(1.0)	31.3	(1.2)	18.0	(2.7)	29.2	(3.3)
	Turkey	40.7	(1.0)	44.5	(1.1)	67.9	(0.8)	71.2	(0.7)	18.2	(0.7)	21.7	(0.8)	15.9	(2.9)	48.7	(4.2)
	United Kingdom	50.4	(0.8)	43.9	(0.9)	59.5	(0.9)	63.4	(0.7)	17.2	(0.8)	21.6	(0.8)	17.4	(2.6)	41.8	(3.9)
	United States	54.7	(1.0)	47.8	(0.9)	73.9	(0.8)	74.3	(0.7)	26.7	(0.9)	37.1	(1.1)	17.8	(3.1)	26.0	(3.5)
OECD average-32		39.9	(0.2)	37.6	(0.2)	69.4	(0.1)	75.2	(0.1)	18.5	(0.1)	26.7	(0.2)	18.8	(0.5)	28.4	(0.5)
OECD average-35		39.7	(0.2)	37.5	(0.2)	68.9	(0.1)	75.2	(0.1)	18.4	(0.1)	26.9	(0.2)	18.9	(0.4)	29.2	(0.5)
Partners	Brazil	47.0	(0.7)	55.0	(0.6)	69.6	(0.5)	78.8	(0.5)	15.7	(0.5)	20.6	(0.5)	10.8	(1.7)	36.9	(2.2)
	B-S-J-G (China)	46.2	(1.1)	36.4	(0.9)	67.1	(1.0)	86.6	(0.5)	24.7	(1.0)	38.9	(1.1)	23.6	(3.1)	20.2	(3.1)
	Bulgaria	39.0	(0.9)	45.7	(0.8)	67.1	(0.8)	69.9	(0.9)	12.3	(0.6)	23.8	(1.0)	39.1	(3.6)	53.3	(3.9)
	Colombia	43.2	(0.8)	47.9	(0.9)	74.0	(0.7)	75.5	(0.8)	18.3	(0.6)	31.7	(1.0)	21.6	(2.9)	15.6	(2.2)
	Costa Rica	53.1	(0.9)	55.3	(1.0)	65.1	(0.7)	91.1	(0.5)	22.0	(0.7)	35.8	(1.1)	20.9	(3.2)	11.9	(2.3)
	Croatia	30.8	(0.8)	24.7	(0.9)	73.2	(0.7)	77.7	(0.7)	7.7	(0.4)	24.8	(0.9)	8.7	(2.2)	23.0	(3.2)
	Cyprus*	38.4	(0.8)	36.7	(0.7)	68.0	(0.6)	64.7	(0.6)	10.3	(0.4)	16.6	(0.6)	6.7	(0.1)	22.7	(0.1)
	Dominican Republic	58.1	(1.2)	63.3	(1.2)	83.7	(0.6)	76.6	(0.8)	21.7	(0.9)	34.3	(1.2)	11.6	(2.6)	18.6	(3.2)
	Hong Kong (China)	30.5	(0.9)	29.0	(0.8)	70.4	(0.8)	79.5	(0.8)	24.9	(1.1)	38.6	(1.1)	12.8	(3.2)	15.3	(3.4)
	Lithuania	44.5	(0.8)	40.8	(0.7)	60.5	(0.7)	68.0	(0.8)	17.3	(0.8)	29.4	(0.7)	22.0	(2.7)	49.9	(3.2)
	Macao (China)	30.0	(0.7)	29.2	(0.7)	64.9	(0.6)	76.8	(0.6)	10.6	(0.5)	31.2	(0.7)	36.0	(0.1)	35.0	(0.1)
	Montenegro	40.9	(0.8)	40.4	(0.8)	75.9	(0.6)	81.1	(0.6)	15.1	(0.5)	36.3	(0.7)	10.6	(0.1)	25.2	(0.3)
	Peru	47.4	(0.8)	47.0	(0.8)	56.1	(0.6)	89.0	(0.5)	18.1	(0.6)	38.6	(0.9)	42.3	(2.8)	16.8	(2.4)
	Qatar	49.2	(0.5)	50.4	(0.5)	60.4	(0.4)	62.2	(0.4)	19.4	(0.4)	23.1	(0.4)	42.5	(0.1)	46.5	(0.1)
	Russia	45.9	(1.1)	44.2	(1.1)	71.2	(1.0)	73.1	(1.0)	24.2	(1.6)	37.8	(1.8)	30.6	(3.0)	27.5	(3.6)
	Singapore	48.2	(0.6)	44.1	(0.6)	68.6	(0.7)	72.0	(0.6)	23.1	(0.6)	25.1	(0.5)	30.3	(1.5)	24.4	(1.0)
	Chinese Taipei	40.8	(0.7)	32.0	(0.7)	82.7	(0.6)	90.6	(0.4)	18.5	(0.5)	25.9	(0.8)	28.0	(3.4)	23.1	(3.4)
	Thailand	49.0	(0.9)	51.1	(0.9)	67.6	(0.9)	70.2	(0.8)	29.1	(0.7)	31.8	(0.8)	36.0	(4.0)	26.2	(3.6)
	Tunisia	36.6	(0.9)	43.3	(1.0)	69.3	(0.7)	68.4	(0.8)	14.0	(0.6)	24.0	(0.9)	15.4	(3.2)	11.7	(3.0)
	United Arab Emirates	48.9	(0.6)	53.6	(0.6)	59.9	(0.7)	63.4	(0.6)	23.9	(0.6)	27.7	(0.7)	45.9	(2.6)	39.8	(2.7)
	Uruguay	43.1	(0.8)	48.6	(0.9)	78.0	(0.7)	90.7	(0.4)	16.0	(0.6)	17.6	(0.7)	30.3	(2.6)	29.1	(2.8)
	Malaysia**		52.0	(1.1)	51.7	(1.0)	43.8	(0.9)	71.9	(0.9)	15.9	(0.6)	29.4	(0.9)	19.4	(2.8)	26.9

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/2]

Table V.7.18 Student-teacher relationships and performance in collaborative problem solving

		After accounting for students' and schools' socio-economic profile ¹											
		Change in collaborative problem-solving score when students reported the following:											
		In "every lesson", the teacher gives extra help when students need it				In "every lesson", the teacher continues teaching until the students understand				Teachers "never or almost never" discipline me more harshly than other students			
		Student-level ²		School-level ³		Student-level		School-level		Student-level		School-level	
		Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	12	(2.9)	1	(1.0)	9	(3.1)	0	(1.1)	39	(3.1)	4	(1.3)
	Austria	0	(3.5)	-6	(2.1)	8	(3.4)	-5	(2.2)	14	(3.0)	3	(2.4)
	Belgium	4	(2.5)	-2	(1.9)	4	(2.4)	-2	(1.7)	22	(2.5)	4	(1.9)
	Canada	9	(2.6)	-1	(1.3)	4	(2.7)	-2	(1.4)	m	m	m	m
	Chile	-5	(2.9)	1	(2.0)	-2	(2.9)	3	(1.8)	24	(2.4)	8	(2.2)
	Czech Republic	-1	(2.9)	1	(1.2)	-2	(3.0)	-1	(1.6)	22	(3.7)	8	(1.6)
	Denmark	9	(3.4)	2	(1.4)	11	(3.2)	2	(1.6)	36	(3.3)	3	(2.1)
	Estonia	8	(3.0)	5	(1.4)	4	(3.5)	5	(1.9)	30	(3.3)	1	(2.4)
	Finland	14	(3.8)	3	(1.9)	5	(3.8)	3	(2.0)	30	(2.9)	0	(2.7)
	France	4	(3.3)	-4	(2.1)	6	(2.9)	-2	(1.9)	23	(3.4)	9	(2.1)
	Germany	-1	(3.3)	-1	(1.9)	6	(3.9)	0	(2.4)	18	(2.7)	3	(2.1)
	Greece	-4	(3.5)	0	(2.2)	-5	(2.9)	-2	(2.1)	17	(3.3)	9	(2.4)
	Hungary	1	(3.2)	-2	(1.9)	1	(3.4)	-1	(2.1)	11	(2.5)	6	(1.6)
	Iceland	4	(4.6)	0	(1.3)	2	(4.3)	1	(1.2)	33	(5.3)	1	(2.0)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	2	(3.0)	-21	(2.9)	9	(2.6)	-12	(3.6)	m	m	m	m
	Italy	-2	(2.7)	-5	(1.9)	3	(2.7)	-5	(1.7)	m	m	m	m
	Japan	-4	(3.1)	0	(1.9)	-5	(2.9)	-2	(2.1)	16	(3.4)	9	(3.8)
	Korea	5	(3.2)	4	(1.8)	4	(3.7)	3	(1.6)	14	(3.5)	14	(3.6)
	Latvia	7	(3.4)	0	(1.4)	7	(3.6)	-1	(1.6)	34	(3.2)	3	(1.8)
	Luxembourg	-6	(3.1)	-6	(2.1)	1	(3.6)	-2	(2.2)	25	(2.8)	16	(2.3)
	Mexico	-5	(2.3)	-1	(1.4)	-7	(2.5)	-1	(1.6)	19	(3.4)	7	(1.9)
	Netherlands	12	(3.4)	-1	(2.3)	13	(3.7)	-4	(2.9)	25	(3.3)	5	(2.8)
	New Zealand	8	(4.1)	1	(2.0)	4	(4.1)	0	(2.0)	41	(3.8)	8	(1.9)
	Norway	-1	(3.4)	4	(1.5)	3	(3.5)	3	(1.5)	36	(3.2)	3	(1.8)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	3	(3.2)	-5	(1.7)	6	(3.5)	-4	(1.7)	20	(2.5)	6	(2.3)
	Slovak Republic	-5	(3.1)	-1	(1.7)	-7	(3.0)	-1	(1.7)	16	(3.2)	7	(1.5)
	Slovenia	6	(5.5)	0	(1.5)	-1	(6.3)	-1	(2.2)	20	(3.8)	8	(1.7)
	Spain	0	(2.7)	0	(1.6)	4	(3.0)	-1	(1.8)	27	(2.7)	2	(2.0)
	Sweden	-1	(3.5)	0	(1.7)	3	(3.6)	-1	(1.9)	44	(2.9)	6	(2.5)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	3	(2.4)	-1	(3.5)	1	(2.2)	-1	(3.3)	8	(2.6)	11	(2.1)
	United Kingdom	9	(3.5)	1	(1.9)	5	(3.0)	1	(1.9)	27	(3.0)	4	(2.1)
	United States	13	(3.6)	2	(2.4)	11	(3.9)	-3	(2.1)	38	(3.5)	8	(3.0)
	OECD average	3	(0.6)	-1	(0.3)	3	(0.6)	-1	(0.4)	25	(0.6)	6	(0.4)
Partners	Brazil	-8	(2.6)	0	(1.4)	-6	(2.5)	0	(1.3)	23	(2.2)	6	(1.4)
	B-S-J-G (China)	8	(2.8)	3	(2.5)	-1	(2.8)	-3	(2.4)	14	(3.3)	6	(2.3)
	Bulgaria	-4	(3.0)	1	(2.2)	-1	(3.3)	1	(1.9)	12	(2.4)	9	(1.8)
	Colombia	-7	(2.5)	-5	(1.6)	-2	(2.9)	-3	(1.5)	9	(2.8)	3	(2.4)
	Costa Rica	4	(2.6)	3	(1.6)	2	(2.7)	2	(1.9)	6	(2.6)	1	(2.0)
	Croatia	2	(2.9)	2	(3.1)	6	(2.4)	-1	(2.4)	5	(3.3)	15	(2.8)
	Cyprus*	11	(3.8)	1	(1.6)	8	(3.5)	3	(1.7)	33	(3.3)	6	(1.3)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	7	(3.8)	1	(3.9)	5	(3.9)	0	(4.2)	26	(3.5)	19	(2.4)
	Lithuania	8	(2.5)	4	(1.7)	4	(3.0)	4	(1.8)	20	(2.7)	6	(1.5)
	Macao (China)	7	(3.9)	14	(2.0)	3	(3.5)	9	(2.4)	10	(3.1)	34	(2.0)
	Montenegro	-4	(2.8)	3	(1.7)	-4	(2.7)	1	(2.0)	20	(2.6)	8	(2.5)
	Peru	-7	(2.2)	-1	(1.4)	-7	(2.3)	0	(1.3)	9	(2.3)	4	(1.3)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	-8	(3.2)	0	(2.0)	-10	(3.3)	0	(2.0)	20	(3.3)	6	(2.2)
	Singapore	10	(3.5)	4	(1.3)	6	(3.3)	4	(1.2)	31	(2.6)	12	(1.6)
	Chinese Taipei	9	(2.7)	3	(2.2)	3	(2.9)	1	(2.3)	9	(3.3)	6	(2.6)
	Thailand	3	(2.6)	1	(2.0)	1	(2.5)	1	(2.0)	24	(2.3)	12	(2.2)
	Tunisia	-7	(1.8)	-3	(1.8)	-7	(2.0)	-3	(1.7)	9	(2.0)	7	(1.8)
	United Arab Emirates	6	(2.2)	3	(1.6)	7	(2.7)	-1	(1.5)	25	(2.7)	14	(1.2)
	Uruguay	-11	(3.1)	-6	(1.7)	-8	(3.1)	-5	(1.7)	18	(3.8)	5	(1.9)
	Malaysia**	10	(2.6)	2	(1.6)	1	(2.2)	3	(1.8)	20	(2.4)	5	(2.2)

1. The socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Student-level refers to the change in collaborative problem-solving score associated with students reporting the above.

3. School-level refers to the change in collaborative problem-solving score per 10 percentage-point increase in the number of schoolmates who reported the above.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

Questionnaire items that are measured at both the student and school levels are included in the same regression model.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 2/2]

Table V.7.18 Student-teacher relationships and performance in collaborative problem solving

	After accounting for students' and schools' socio-economic profile ¹											
	Change in collaborative problem-solving score when students reported the following:								Change in collaborative problem-solving score when principals reported the following:			
	Students "never or hardly ever" don't listen to what the teacher says				The teacher "never or hardly ever" has to wait a long time for students to quiet down				Students' learning is "not hindered at all" by students lacking respect for teachers		Students' learning is "not hindered at all" by teachers being too strict with students	
	Student-level ²		School-level ³		Student-level		School-level					
	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD												
Australia	16	(4.4)	6	(1.6)	18	(4.0)	5	(1.4)	17	(4.4)	4	(4.1)
Austria	7	(4.1)	6	(1.7)	7	(4.0)	3	(1.8)	11	(7.0)	-6	(6.8)
Belgium	7	(3.3)	7	(2.3)	12	(3.2)	0	(1.6)	4	(13.2)	2	(7.0)
Canada	10	(3.4)	1	(1.6)	16	(2.7)	2	(1.4)	6	(6.0)	-5	(4.5)
Chile	5	(4.2)	8	(2.8)	9	(3.8)	5	(2.4)	7	(6.6)	3	(6.7)
Czech Republic	-4	(5.3)	3	(2.0)	5	(3.8)	5	(1.2)	7	(5.6)	-4	(4.4)
Denmark	4	(4.4)	2	(1.8)	2	(3.5)	2	(1.4)	14	(6.4)	6	(5.7)
Estonia	-1	(5.2)	1	(2.1)	19	(3.3)	3	(1.6)	-1	(4.8)	4	(4.8)
Finland	3	(5.5)	2	(2.8)	12	(4.3)	0	(2.0)	11	(9.7)	-1	(4.4)
France	1	(5.0)	2	(3.0)	10	(3.5)	4	(2.1)	2	(7.1)	-6	(6.3)
Germany	-9	(5.4)	2	(2.8)	2	(4.4)	4	(2.1)	5	(10.1)	-2	(7.3)
Greece	-4	(5.0)	6	(3.7)	9	(3.3)	7	(2.4)	5	(6.7)	-3	(6.3)
Hungary	-5	(4.3)	3	(2.8)	1	(4.0)	5	(2.2)	9	(6.1)	-17	(5.2)
Iceland	2	(5.2)	5	(1.5)	3	(5.0)	3	(1.3)	7	(4.6)	-5	(3.9)
Ireland	m	m	m	m	m	m	m	m	m	m	m	m
Israel	4	(3.5)	4	(4.6)	9	(2.8)	3	(3.6)	9	(11.4)	-17	(12.0)
Italy	3	(5.1)	3	(2.6)	2	(3.6)	4	(1.9)	1	(7.7)	-20	(6.9)
Japan	-1	(3.1)	6	(1.6)	1	(2.6)	6	(1.2)	-8	(6.8)	-8	(7.7)
Korea	-2	(2.7)	8	(1.2)	0	(2.9)	8	(1.3)	16	(5.3)	-1	(4.8)
Latvia	-4	(5.8)	1	(2.9)	4	(4.4)	2	(1.7)	0	(5.8)	-11	(4.4)
Luxembourg	13	(4.5)	7	(2.7)	13	(3.4)	7	(2.2)	13	(5.4)	-9	(2.8)
Mexico	0	(3.5)	6	(1.6)	4	(2.9)	3	(1.2)	0	(4.8)	-9	(6.0)
Netherlands	0	(3.9)	8	(2.6)	3	(4.5)	10	(3.4)	1	(15.2)	5	(16.4)
New Zealand	23	(4.7)	2	(2.6)	27	(4.4)	2	(2.0)	1	(7.6)	-5	(6.3)
Norway	1	(3.4)	4	(1.4)	2	(4.0)	5	(1.2)	15	(10.4)	-3	(6.9)
Poland	m	m	m	m	m	m	m	m	m	m	m	m
Portugal	6	(4.2)	3	(1.9)	12	(3.7)	4	(1.9)	9	(7.3)	-2	(4.9)
Slovak Republic	-1	(4.7)	6	(2.6)	4	(3.7)	8	(1.6)	14	(5.7)	-8	(5.2)
Slovenia	-2	(8.8)	1	(2.1)	5	(6.0)	5	(1.6)	17	(3.7)	2	(3.2)
Spain	-1	(4.5)	3	(2.4)	11	(3.7)	2	(1.7)	-2	(7.8)	2	(4.4)
Sweden	3	(4.5)	3	(1.8)	9	(3.9)	3	(1.9)	6	(7.1)	-5	(4.9)
Switzerland	m	m	m	m	m	m	m	m	m	m	m	m
Turkey	8	(2.9)	9	(2.6)	11	(2.8)	9	(2.5)	27	(8.3)	7	(5.9)
United Kingdom	19	(4.3)	5	(1.9)	11	(4.4)	4	(1.8)	13	(6.3)	9	(5.4)
United States	19	(4.5)	4	(2.6)	28	(3.8)	5	(2.5)	4	(7.5)	10	(6.5)
OECD average	4	(0.8)	4	(0.4)	9	(0.7)	4	(0.3)	7	(1.4)	-3	(1.1)
Partners												
Brazil	3	(4.4)	5	(1.8)	-1	(3.6)	3	(1.6)	1	(6.6)	-2	(4.5)
B-S-J-G (China)	3	(3.3)	1	(2.7)	6	(3.2)	7	(2.5)	1	(6.2)	2	(7.4)
Bulgaria	-8	(5.6)	8	(3.4)	3	(4.3)	8	(2.2)	5	(4.6)	3	(5.5)
Colombia	3	(4.0)	0	(1.8)	4	(2.5)	1	(1.4)	0	(4.8)	5	(5.0)
Costa Rica	6	(3.0)	3	(2.0)	9	(2.5)	2	(1.8)	4	(4.7)	8	(7.7)
Croatia	-1	(5.5)	11	(4.7)	11	(3.1)	12	(2.0)	3	(8.7)	6	(6.0)
Cyprus*	9	(5.5)	3	(2.8)	17	(4.6)	9	(1.9)	3	(6.5)	10	(4.5)
Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m
Hong Kong (China)	3	(4.1)	8	(3.4)	12	(3.3)	11	(2.5)	21	(11.8)	21	(11.7)
Lithuania	-5	(3.5)	6	(1.6)	0	(3.2)	7	(1.4)	5	(5.8)	1	(4.5)
Macao (China)	-6	(5.4)	5	(3.0)	14	(3.6)	23	(1.7)	21	(2.8)	8	(2.8)
Montenegro	-1	(3.8)	4	(2.5)	12	(3.3)	5	(1.3)	4	(3.7)	0	(2.5)
Peru	5	(3.5)	2	(1.8)	6	(2.3)	0	(1.3)	0	(3.9)	7	(5.3)
Qatar	m	m	m	m	m	m	m	m	m	m	m	m
Russia	-1	(4.0)	1	(1.6)	3	(3.5)	1	(1.7)	3	(5.8)	1	(5.6)
Singapore	13	(3.7)	7	(1.8)	13	(3.4)	4	(1.5)	1	(4.6)	3	(4.0)
Chinese Taipei	-4	(3.3)	9	(2.6)	5	(2.9)	9	(1.9)	6	(6.6)	0	(7.0)
Thailand	7	(2.7)	-1	(2.0)	9	(2.9)	4	(2.1)	1	(6.3)	4	(6.2)
Tunisia	-12	(3.1)	-6	(2.7)	-7	(2.6)	1	(2.0)	0	(5.5)	17	(7.1)
United Arab Emirates	-2	(3.1)	0	(2.1)	2	(3.0)	4	(2.2)	22	(5.4)	9	(5.9)
Uruguay	-9	(5.0)	-1	(2.3)	0	(4.3)	2	(2.0)	13	(5.4)	2	(4.4)
Malaysia**	5	(3.2)	-1	(2.6)	16	(2.7)	2	(1.7)	10	(6.3)	3	(6.4)

1. The socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Student-level refers to the change in collaborative problem-solving score associated with students reporting the above.

3. School-level refers to the change in collaborative problem-solving score per 10 percentage-point increase in the number of schoolmates who reported the above.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

Questionnaire items that are measured at both the student and school levels are included in the same regression model.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616845>

[Part 1/2]

Table V.7.19 Student-teacher relationships and relative performance in collaborative problem solving

		After accounting for performance in science, reading and mathematics											
		Change in collaborative problem-solving score when students reported the following:											
		In "every lesson", the teacher gives extra help when students need it				In "every lesson", the teacher continues teaching until the students understand				Teachers "never or almost never" discipline me more harshly than other students			
		Student-level ¹		School-level ²		Student-level		School-level		Student-level		School-level	
		Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	2	(2.4)	0	(0.8)	3	(2.3)	0	(0.8)	7	(2.4)	1	(0.8)
	Austria	2	(3.0)	0	(1.2)	4	(2.5)	0	(1.3)	4	(2.4)	2	(1.5)
	Belgium	3	(1.9)	1	(1.2)	4	(1.9)	0	(1.1)	8	(1.8)	0	(1.2)
	Canada	3	(1.9)	0	(0.9)	3	(2.5)	-1	(1.0)	m	m	m	m
	Chile	2	(2.7)	-1	(1.2)	2	(2.9)	1	(1.1)	11	(2.1)	0	(1.2)
	Czech Republic	3	(2.6)	1	(0.8)	1	(2.7)	0	(1.0)	9	(3.1)	3	(1.3)
	Denmark	0	(2.7)	1	(1.1)	1	(2.3)	0	(1.2)	7	(2.6)	1	(1.4)
	Estonia	4	(2.4)	1	(0.9)	4	(2.8)	1	(1.2)	9	(2.6)	-1	(1.3)
	Finland	1	(3.5)	1	(1.4)	0	(3.2)	2	(1.3)	4	(2.1)	0	(1.7)
	France	2	(2.7)	-1	(1.2)	3	(2.6)	0	(1.2)	7	(2.9)	1	(1.4)
	Germany	-6	(3.0)	1	(1.4)	-4	(3.3)	1	(1.4)	3	(2.1)	0	(1.5)
	Greece	-2	(3.0)	0	(1.2)	-4	(2.4)	0	(1.1)	7	(2.8)	1	(1.6)
	Hungary	-2	(2.7)	-2	(1.2)	-2	(3.1)	-1	(1.2)	2	(2.0)	2	(1.1)
	Iceland	-3	(3.7)	0	(1.0)	-4	(3.5)	1	(0.8)	4	(3.5)	1	(1.6)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	-2	(2.1)	-10	(1.6)	-1	(1.9)	-7	(1.8)	m	m	m	m
	Italy	1	(2.3)	0	(1.5)	1	(2.2)	1	(1.4)	m	m	m	m
	Japan	-3	(2.9)	-1	(1.4)	-3	(2.6)	-1	(1.3)	7	(2.3)	3	(2.4)
	Korea	3	(3.2)	0	(1.2)	2	(3.5)	1	(1.0)	-1	(2.8)	4	(2.0)
	Latvia	0	(2.5)	1	(0.9)	0	(2.2)	1	(1.0)	7	(2.9)	0	(1.1)
	Luxembourg	-3	(2.8)	0	(1.8)	-2	(3.0)	1	(1.8)	7	(2.5)	6	(2.0)
	Mexico	-1	(2.0)	-2	(0.8)	-4	(2.0)	-2	(0.9)	4	(3.0)	1	(1.3)
	Netherlands	4	(2.4)	1	(1.6)	4	(2.5)	2	(1.7)	8	(2.8)	0	(2.0)
	New Zealand	4	(3.2)	0	(1.5)	6	(3.3)	1	(1.4)	10	(3.3)	4	(1.6)
	Norway	-7	(2.6)	1	(1.2)	-5	(3.0)	1	(1.2)	4	(2.9)	2	(1.5)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	-2	(2.8)	-1	(1.4)	-1	(3.0)	-1	(1.3)	6	(1.9)	-2	(1.6)
	Slovak Republic	-2	(2.9)	0	(1.1)	-2	(2.5)	0	(1.2)	0	(2.7)	1	(1.0)
	Slovenia	1	(4.7)	1	(1.1)	-1	(5.3)	2	(1.5)	7	(3.2)	3	(1.2)
	Spain	3	(2.1)	-1	(1.1)	2	(2.4)	-1	(1.3)	10	(2.3)	1	(1.7)
	Sweden	-5	(2.8)	0	(1.2)	-3	(3.0)	-1	(1.2)	13	(2.4)	1	(1.8)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	1	(2.6)	-1	(1.6)	0	(2.4)	0	(1.3)	2	(2.0)	1	(1.6)
	United Kingdom	0	(3.2)	1	(1.5)	-1	(2.8)	1	(1.4)	2	(2.6)	1	(1.7)
	United States	3	(2.3)	-2	(1.7)	3	(2.9)	-2	(1.6)	4	(2.7)	1	(2.4)
	OECD average	0	(0.5)	0	(0.2)	0	(0.5)	0	(0.2)	6	(0.5)	1	(0.3)
Partners	Brazil	-4	(2.5)	-1	(1.2)	-3	(2.3)	-1	(1.0)	2	(2.1)	0	(1.1)
	B-S-J-G (China)	2	(2.5)	-1	(1.4)	1	(2.5)	-1	(1.6)	5	(2.5)	1	(1.4)
	Bulgaria	-5	(2.3)	-2	(1.3)	-4	(2.8)	-1	(1.3)	-2	(2.2)	2	(1.3)
	Colombia	-3	(1.9)	0	(1.2)	-1	(2.5)	0	(1.0)	-1	(2.2)	-1	(1.4)
	Costa Rica	6	(2.3)	1	(1.3)	4	(2.3)	0	(1.5)	3	(2.4)	-1	(1.4)
	Croatia	0	(2.7)	3	(1.9)	1	(2.3)	1	(1.6)	0	(2.7)	4	(1.7)
	Cyprus*	1	(2.8)	-1	(1.3)	1	(2.9)	0	(1.4)	3	(2.6)	0	(1.1)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	-6	(2.9)	0	(1.7)	-8	(2.8)	0	(1.7)	5	(2.9)	4	(1.6)
	Lithuania	2	(1.9)	1	(1.0)	-1	(2.4)	0	(1.0)	5	(2.0)	2	(1.1)
	Macao (China)	3	(2.6)	3	(1.5)	3	(2.2)	3	(1.8)	7	(2.1)	8	(2.0)
	Montenegro	-4	(2.4)	1	(1.2)	-4	(2.3)	0	(1.1)	6	(2.2)	0	(2.2)
	Peru	1	(1.9)	-1	(0.9)	1	(1.7)	-1	(0.8)	0	(1.9)	1	(0.9)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	-3	(2.6)	-3	(1.5)	-6	(2.7)	-5	(1.3)	2	(3.2)	0	(1.8)
	Singapore	2	(2.7)	0	(0.9)	3	(2.6)	0	(0.8)	10	(2.2)	1	(1.0)
	Chinese Taipei	1	(2.3)	-1	(1.4)	1	(2.4)	-1	(1.5)	5	(2.6)	2	(2.1)
	Thailand	0	(2.4)	2	(1.3)	-1	(2.4)	0	(1.1)	6	(2.0)	5	(1.7)
	Tunisia	-3	(1.7)	-2	(1.4)	-3	(1.7)	-3	(1.3)	4	(1.8)	1	(1.5)
	United Arab Emirates	2	(1.7)	-1	(1.0)	2	(2.1)	-2	(1.0)	1	(2.5)	3	(1.1)
	Uruguay	-2	(2.2)	-1	(1.1)	-2	(2.4)	-2	(1.1)	4	(2.6)	-1	(1.4)
	Malaysia**	1	(2.2)	-2	(1.3)	0	(2.0)	-2	(1.5)	3	(2.3)	2	(1.7)

1. Student-level refers to the change in collaborative problem-solving score associated with students reporting the above.

2. School-level refers to the change in collaborative problem-solving score per 10 percentage-point increase in the number of schoolmates who reported the above.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

Questionnaire items that are measured at both the student and school levels are included in the same regression model.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616845>

[Part 2/2]

Table V.7.19 Student-teacher relationships and relative performance in collaborative problem solving

	After accounting for performance in science, reading and mathematics											
	Change in collaborative problem-solving score when students reported the following:								Change in collaborative problem-solving score when principals reported the following:			
	Students "never or hardly ever" don't listen to what the teacher says				The teacher "never or hardly ever" has to wait a long time for students to quiet down				Students' learning is "not hindered at all" by students lacking respect for teachers		Students' learning is "not hindered at all" by teachers being too strict with students	
	Student-level		School-level		Student-level		School-level					
	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD												
Australia	-1	(4.1)	2	(1.1)	2	(3.2)	1	(1.0)	2	(2.6)	1	(2.8)
Austria	1	(3.9)	1	(1.2)	2	(3.6)	0	(1.0)	0	(4.3)	-3	(3.9)
Belgium	4	(3.1)	4	(1.3)	6	(2.9)	0	(1.2)	-3	(6.0)	3	(3.9)
Canada	-3	(3.2)	0	(1.4)	-1	(2.3)	0	(1.1)	-7	(4.5)	-3	(3.7)
Chile	3	(3.6)	1	(1.3)	3	(3.1)	0	(1.2)	3	(3.7)	4	(4.6)
Czech Republic	-3	(4.6)	0	(1.5)	3	(3.3)	0	(0.8)	2	(4.0)	-2	(3.3)
Denmark	-3	(3.7)	0	(1.2)	-4	(2.6)	1	(0.9)	3	(4.1)	2	(3.4)
Estonia	0	(4.2)	-1	(1.6)	10	(2.7)	0	(1.0)	-3	(2.7)	0	(3.0)
Finland	6	(4.5)	-2	(1.8)	6	(3.2)	-1	(1.4)	0	(6.4)	5	(3.0)
France	4	(4.0)	0	(1.7)	8	(3.0)	1	(1.3)	1	(3.8)	-2	(3.5)
Germany	-12	(4.9)	3	(1.9)	-7	(3.6)	2	(1.3)	-2	(5.8)	2	(4.3)
Greece	-5	(4.2)	0	(1.9)	3	(2.8)	1	(1.1)	-1	(3.4)	2	(3.0)
Hungary	-3	(3.9)	0	(1.7)	0	(3.3)	2	(1.2)	0	(3.1)	-5	(3.0)
Iceland	3	(4.0)	1	(1.0)	-1	(3.8)	1	(0.8)	6	(3.6)	-2	(3.0)
Ireland	m	m	m	m	m	m	m	m	m	m	m	m
Israel	-2	(3.3)	0	(2.5)	-2	(2.7)	-1	(1.9)	2	(6.4)	-12	(6.8)
Italy	-1	(4.2)	4	(1.8)	-3	(3.1)	2	(1.3)	1	(5.0)	-2	(5.7)
Japan	-5	(2.5)	0	(1.0)	-4	(2.1)	1	(0.9)	-8	(5.1)	3	(5.6)
Korea	4	(2.1)	1	(0.9)	3	(2.5)	1	(1.0)	3	(3.8)	0	(2.7)
Latvia	-1	(4.8)	0	(1.8)	-1	(3.3)	0	(1.1)	1	(3.7)	-4	(2.8)
Luxembourg	0	(3.9)	1	(2.1)	0	(2.8)	0	(1.8)	11	(4.4)	-1	(2.4)
Mexico	-3	(2.9)	1	(1.2)	-2	(2.6)	-1	(0.8)	-3	(2.8)	-3	(3.7)
Netherlands	-5	(3.6)	2	(1.8)	-2	(3.7)	1	(2.3)	7	(8.6)	10	(7.0)
New Zealand	8	(4.6)	0	(2.1)	8	(3.1)	1	(1.6)	-5	(5.5)	-3	(4.4)
Norway	-2	(2.6)	0	(1.1)	-1	(3.2)	1	(1.0)	-4	(7.1)	2	(5.0)
Poland	m	m	m	m	m	m	m	m	m	m	m	m
Portugal	-2	(3.5)	-1	(1.4)	1	(3.0)	0	(1.3)	0	(5.1)	-2	(3.2)
Slovak Republic	-5	(4.1)	0	(1.7)	-4	(3.0)	1	(1.0)	-3	(4.2)	-7	(3.6)
Slovenia	6	(7.4)	0	(1.5)	4	(5.5)	1	(1.3)	7	(3.5)	-1	(2.9)
Spain	-2	(2.9)	0	(1.9)	0	(2.6)	1	(1.4)	-2	(5.2)	1	(3.5)
Sweden	0	(3.6)	0	(1.4)	5	(3.0)	0	(1.4)	1	(4.4)	0	(3.2)
Switzerland	m	m	m	m	m	m	m	m	m	m	m	m
Turkey	6	(3.0)	0	(1.6)	5	(2.4)	0	(1.7)	5	(5.1)	2	(3.1)
United Kingdom	-1	(3.6)	3	(1.6)	-4	(3.6)	2	(1.5)	6	(5.9)	1	(4.2)
United States	-5	(3.7)	0	(1.9)	2	(2.9)	-1	(1.7)	-4	(6.1)	1	(5.0)
OECD average	-1	(0.7)	1	(0.3)	1	(0.6)	1	(0.2)	0	(0.9)	0	(0.7)
Partners												
Brazil	1	(4.2)	-1	(1.3)	-1	(3.6)	-2	(1.1)	-10	(6.1)	1	(3.2)
B-S-J-G (China)	-4	(2.9)	-1	(1.7)	-2	(2.9)	-1	(1.5)	-3	(4.1)	-6	(4.0)
Bulgaria	-4	(5.0)	-1	(1.9)	0	(3.8)	-1	(1.2)	4	(2.8)	-1	(2.7)
Colombia	1	(3.2)	-1	(1.4)	-1	(2.1)	-2	(0.9)	-3	(3.8)	-4	(4.3)
Costa Rica	5	(2.9)	2	(1.7)	5	(2.6)	-1	(1.3)	-1	(4.2)	6	(5.7)
Croatia	-5	(4.5)	-2	(2.6)	2	(2.1)	2	(1.5)	-3	(6.2)	3	(4.1)
Cyprus*	2	(4.7)	2	(2.4)	4	(3.8)	2	(1.5)	-1	(5.8)	3	(3.6)
Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m
Hong Kong (China)	-3	(3.5)	4	(1.7)	1	(3.0)	4	(1.3)	4	(5.9)	8	(5.8)
Lithuania	-6	(2.8)	1	(1.0)	-5	(2.7)	1	(0.7)	-2	(3.5)	-2	(2.4)
Macao (China)	5	(4.2)	1	(2.3)	8	(2.4)	5	(1.3)	-1	(2.7)	0	(2.3)
Montenegro	-1	(3.7)	0	(2.4)	3	(2.7)	0	(1.0)	6	(3.1)	10	(1.9)
Peru	1	(3.5)	1	(1.2)	3	(2.1)	-1	(0.9)	2	(2.5)	5	(3.5)
Qatar	m	m	m	m	m	m	m	m	m	m	m	m
Russia	2	(3.8)	-3	(1.3)	-2	(3.7)	-3	(1.3)	-4	(4.9)	-5	(4.3)
Singapore	-2	(3.0)	2	(1.0)	-2	(3.1)	2	(0.9)	1	(2.4)	7	(2.6)
Chinese Taipei	1	(2.8)	2	(1.8)	3	(2.3)	1	(1.4)	-1	(4.1)	-2	(4.1)
Thailand	-1	(2.2)	-2	(1.1)	4	(2.7)	0	(1.3)	2	(4.3)	0	(4.5)
Tunisia	-7	(3.0)	-4	(2.0)	-6	(2.6)	-2	(1.3)	-4	(4.7)	5	(5.6)
United Arab Emirates	-4	(2.9)	0	(1.3)	-2	(2.6)	0	(1.2)	0	(3.1)	4	(3.2)
Uruguay	-11	(4.3)	-1	(1.7)	-4	(3.9)	-1	(1.4)	3	(3.2)	1	(3.4)
Malaysia**	0	(2.2)	-3	(2.0)	0	(2.2)	0	(1.3)	-7	(5.2)	-3	(4.9)

1. Student-level refers to the change in collaborative problem-solving score associated with students reporting the above.

2. School-level refers to the change in collaborative problem-solving score per 10 percentage-point increase in the number of schoolmates who reported the above.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

Questionnaire items that are measured at both the student and school levels are included in the same regression model.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616845>



[Part 1/2]

Table V.7.21 Student-parent relationships

		Percentage of students who reported the following:									
		Talked to parents before going to school on the most recent day		Talked to parents after leaving school on the most recent day		"Strongly agree" that my parents are interested in my school activities		"Strongly agree" that my parents support my educational efforts and achievements		"Strongly agree" that my parents support me when I am facing difficulties at school	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	90.1	(0.4)	95.7	(0.2)	51.6	(0.5)	64.7	(0.5)	51.2	(0.5)
	Austria	84.1	(0.7)	91.7	(0.5)	74.2	(0.6)	61.4	(0.7)	69.9	(0.6)
	Belgium ¹	85.4	(0.5)	93.2	(0.3)	49.6	(0.6)	56.0	(0.6)	50.8	(0.6)
	Canada	88.2	(0.4)	95.0	(0.2)	49.1	(0.6)	66.8	(0.6)	51.1	(0.6)
	Chile	81.2	(0.5)	86.4	(0.5)	53.6	(0.8)	59.8	(0.7)	54.1	(0.9)
	Czech Republic	85.6	(0.6)	93.5	(0.4)	38.0	(0.7)	45.8	(0.8)	38.2	(0.7)
	Denmark	87.2	(0.6)	94.3	(0.6)	52.1	(0.8)	60.2	(0.8)	61.0	(0.7)
	Estonia	87.9	(0.5)	88.8	(0.5)	37.8	(0.7)	42.4	(0.8)	37.7	(0.7)
	Finland	82.8	(0.6)	94.5	(0.4)	54.6	(0.9)	48.3	(0.9)	46.9	(0.8)
	France	80.8	(0.5)	91.4	(0.4)	54.4	(0.7)	62.4	(0.6)	47.4	(0.6)
	Germany	86.9	(0.6)	94.5	(0.4)	67.9	(0.7)	61.1	(0.7)	64.1	(0.7)
	Greece	88.5	(0.5)	92.0	(0.5)	51.1	(0.9)	50.6	(0.8)	49.4	(0.8)
	Hungary	89.4	(0.5)	93.5	(0.4)	54.0	(0.8)	56.7	(0.8)	52.7	(0.8)
	Iceland	90.2	(0.5)	97.4	(0.3)	53.7	(0.9)	69.9	(0.9)	62.1	(0.9)
	Ireland	92.1	(0.5)	96.7	(0.3)	61.7	(0.7)	63.8	(0.7)	60.4	(0.7)
	Israel	88.0	(0.8)	91.1	(0.6)	m	m	m	m	m	m
	Italy	89.3	(0.4)	93.6	(0.4)	50.0	(0.7)	44.0	(0.7)	42.9	(0.7)
	Japan	90.2	(0.5)	93.9	(0.4)	30.1	(0.8)	42.1	(0.7)	37.4	(0.7)
	Korea	79.4	(0.9)	85.5	(0.7)	46.0	(1.1)	43.5	(1.1)	39.4	(1.0)
	Latvia	89.4	(0.5)	93.5	(0.4)	44.5	(0.9)	40.6	(1.0)	35.3	(0.9)
	Luxembourg	82.4	(0.6)	91.6	(0.4)	67.8	(0.6)	62.2	(0.6)	56.6	(0.6)
	Mexico	79.7	(0.7)	84.4	(0.5)	59.6	(0.7)	58.0	(0.7)	50.7	(0.7)
	Netherlands	89.0	(0.5)	96.6	(0.2)	50.6	(0.8)	52.1	(0.9)	55.1	(0.9)
	New Zealand	88.8	(0.4)	95.0	(0.4)	49.6	(0.8)	64.1	(0.7)	48.4	(0.8)
	Norway	87.6	(0.4)	96.0	(0.3)	50.5	(0.9)	55.6	(0.8)	54.1	(0.8)
	Poland	83.4	(0.6)	90.5	(0.4)	40.2	(1.0)	32.2	(0.8)	34.1	(0.9)
	Portugal	92.0	(0.4)	96.0	(0.3)	70.1	(0.7)	64.4	(0.7)	57.9	(0.8)
	Slovak Republic	81.8	(0.6)	88.7	(0.5)	40.4	(0.8)	47.3	(0.8)	36.9	(0.7)
	Slovenia	79.8	(0.7)	83.1	(0.6)	49.1	(0.8)	62.9	(0.7)	48.4	(0.8)
	Spain	84.0	(0.4)	92.1	(0.4)	60.6	(0.7)	56.6	(0.7)	54.8	(0.6)
	Sweden	87.4	(0.5)	94.8	(0.4)	49.5	(0.9)	60.8	(0.9)	58.2	(0.9)
	Switzerland	82.7	(0.6)	93.7	(0.5)	68.6	(0.9)	68.1	(0.9)	62.2	(0.9)
	Turkey	80.0	(0.8)	84.0	(0.8)	28.2	(0.9)	57.7	(0.8)	47.4	(0.8)
	United Kingdom ²	88.7	(0.5)	94.9	(0.3)	50.6	(0.7)	63.5	(0.7)	52.6	(0.8)
	United States	88.2	(0.5)	94.3	(0.4)	51.3	(0.8)	70.4	(0.7)	53.9	(0.7)
	OECD average-32 ³	86.1	(0.1)	92.2	(0.1)	51.3	(0.1)	56.5	(0.1)	50.5	(0.1)
	OECD average-35 ⁴	86.1	(0.1)	92.3	(0.1)	51.8	(0.1)	56.4	(0.1)	50.7	(0.1)
Partners	Brazil	85.2	(0.4)	89.5	(0.5)	50.2	(0.5)	53.1	(0.5)	42.6	(0.4)
	B-S-J-G (China)	72.1	(0.8)	75.0	(1.0)	18.0	(0.6)	50.5	(0.8)	39.1	(0.8)
	Bulgaria	84.1	(0.6)	91.0	(0.6)	52.4	(0.7)	50.8	(0.8)	50.6	(0.8)
	Colombia	82.5	(0.5)	85.3	(0.5)	55.3	(0.7)	56.8	(0.6)	46.7	(0.7)
	Costa Rica	83.5	(0.6)	87.0	(0.6)	69.5	(0.8)	71.1	(0.7)	73.4	(0.7)
	Croatia	85.8	(0.5)	93.9	(0.4)	55.8	(0.7)	60.4	(0.8)	56.8	(0.8)
	Cyprus*	86.1	(0.4)	88.0	(0.5)	57.9	(0.7)	56.2	(0.7)	53.3	(0.8)
	Dominican Republic	86.6	(0.7)	89.8	(0.6)	61.2	(0.8)	62.3	(0.9)	43.0	(0.8)
	Hong Kong (China)	76.8	(0.6)	89.0	(0.5)	8.9	(0.5)	31.4	(0.9)	24.3	(0.7)
	Lithuania	89.7	(0.4)	92.8	(0.4)	64.4	(0.6)	61.6	(0.7)	56.1	(0.7)
	Macao (China)	72.5	(0.6)	83.3	(0.5)	10.7	(0.5)	31.5	(0.7)	21.2	(0.6)
	Montenegro	79.8	(0.6)	86.9	(0.5)	39.6	(0.7)	51.5	(0.7)	49.1	(0.7)
	Peru	81.7	(0.6)	84.1	(0.6)	43.8	(0.7)	44.0	(0.8)	33.6	(0.7)
	Qatar	88.6	(0.4)	91.0	(0.3)	40.5	(0.4)	60.4	(0.4)	53.1	(0.5)
	Russia	92.6	(0.4)	92.8	(0.4)	41.0	(1.0)	39.8	(0.9)	39.5	(1.1)
	Singapore	77.2	(0.5)	89.6	(0.4)	30.8	(0.6)	53.1	(0.6)	37.4	(0.8)
	Chinese Taipei	56.3	(0.7)	81.0	(0.6)	18.5	(0.6)	37.9	(0.7)	36.8	(0.8)
	Thailand	92.6	(0.4)	94.5	(0.3)	21.2	(0.6)	47.7	(1.0)	33.1	(0.9)
	Tunisia	90.6	(0.5)	90.3	(0.6)	36.7	(0.8)	56.3	(0.8)	42.1	(0.8)
	United Arab Emirates	90.5	(0.4)	93.3	(0.3)	31.5	(0.6)	59.0	(0.6)	52.8	(0.5)
	Uruguay	81.2	(0.7)	87.7	(0.6)	59.1	(0.8)	61.5	(0.8)	54.9	(0.7)
	Malaysia**	90.0	(0.6)	93.1	(0.4)	24.9	(1.0)	58.0	(1.0)	38.0	(1.0)

1. The parent questionnaire was distributed only in the Flemish Community.

2. The parent questionnaire was distributed only in Scotland.

3. For the results from the parent questionnaire, the OECD average-32 is the arithmetic mean of the OECD countries with available data from the parent questionnaire and the collaborative problem-solving assessment.

4. For the results from the parent questionnaire, the OECD average-35 is the arithmetic mean of the OECD countries with available data from the parent questionnaire.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616845>

[Part 2/2]

Table V.7.21 Student-parent relationships

		Percentage of students whose parents reported the following:											
		"Every day or almost every day" eat the main meal with my child around a table		"Every day or almost every day" spend time just talking to my child		"Strongly agree" that I am interested in my child's school activities		"Strongly agree" that I support my child's efforts at school and his/ her achievements		"Strongly agree" that I support my child when he/she is facing difficulties at school		"Strongly agree" that I encourage my child to be confident	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Australia	m	m	m	m	m	m	m	m	m	m	m	m
	Austria	m	m	m	m	m	m	m	m	m	m	m	m
	Belgium ¹	90.7	(0.6)	71.2	(0.6)	64.5	(0.8)	69.0	(0.7)	74.3	(0.7)	73.7	(0.7)
	Canada	m	m	m	m	m	m	m	m	m	m	m	m
	Chile	69.0	(0.8)	48.7	(0.8)	66.2	(0.8)	77.2	(0.7)	79.1	(0.6)	82.8	(0.7)
	Czech Republic	m	m	m	m	m	m	m	m	m	m	m	m
	Denmark	m	m	m	m	m	m	m	m	m	m	m	m
	Estonia	m	m	m	m	m	m	m	m	m	m	m	m
	Finland	m	m	m	m	m	m	m	m	m	m	m	m
	France	91.4	(0.5)	73.1	(0.6)	71.4	(0.7)	83.6	(0.6)	73.6	(0.7)	79.9	(0.6)
	Germany	83.1	(0.6)	93.1	(0.4)	79.5	(0.7)	67.1	(0.9)	80.4	(0.8)	85.9	(0.6)
	Greece	m	m	m	m	m	m	m	m	m	m	m	m
	Hungary	m	m	m	m	m	m	m	m	m	m	m	m
	Iceland	m	m	m	m	m	m	m	m	m	m	m	m
	Ireland	75.3	(0.8)	80.9	(0.6)	84.4	(0.6)	84.8	(0.7)	87.0	(0.6)	86.6	(0.6)
	Israel	m	m	m	m	m	m	m	m	m	m	m	m
	Italy	94.9	(0.4)	77.1	(0.6)	53.9	(0.7)	54.2	(0.8)	56.7	(0.8)	73.9	(0.6)
	Japan	m	m	m	m	m	m	m	m	m	m	m	m
	Korea	70.2	(0.8)	53.7	(0.8)	43.9	(0.9)	41.9	(1.0)	44.2	(0.9)	46.4	(0.8)
	Latvia	m	m	m	m	m	m	m	m	m	m	m	m
	Luxembourg	87.4	(0.6)	80.8	(0.6)	78.6	(0.7)	79.8	(0.7)	78.1	(0.7)	82.7	(0.6)
	Mexico	76.5	(0.6)	43.4	(0.8)	68.5	(0.7)	72.5	(0.7)	71.0	(0.7)	75.2	(0.7)
	Netherlands	m	m	m	m	m	m	m	m	m	m	m	m
	New Zealand	m	m	m	m	m	m	m	m	m	m	m	m
	Norway	m	m	m	m	m	m	m	m	m	m	m	m
	Poland	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	94.7	(0.3)	90.2	(0.5)	68.9	(0.7)	70.3	(0.7)	77.6	(0.7)	83.6	(0.5)
	Slovak Republic	m	m	m	m	m	m	m	m	m	m	m	m
	Slovenia	m	m	m	m	m	m	m	m	m	m	m	m
	Spain	92.6	(0.5)	79.1	(0.7)	69.4	(0.8)	73.0	(0.8)	73.5	(0.8)	83.0	(0.6)
	Sweden	m	m	m	m	m	m	m	m	m	m	m	m
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	m	m	m	m	m	m	m	m	m	m	m	m
	United Kingdom ²	68.2	(1.4)	84.1	(0.9)	79.6	(0.8)	86.3	(0.8)	87.0	(0.8)	85.2	(0.8)
	United States	m	m	m	m	m	m	m	m	m	m	m	m
OECD average-32 ³	83.5	(0.2)	72.2	(0.2)	67.7	(0.2)	70.4	(0.2)	72.3	(0.2)	77.5	(0.2)	
OECD average-35 ⁴	82.8	(0.2)	72.9	(0.2)	69.1	(0.2)	71.6	(0.2)	73.5	(0.2)	78.2	(0.2)	
Partners	Brazil	m	m	m	m	m	m	m	m	m	m	m	m
	B-S-J-G (China)	m	m	m	m	m	m	m	m	m	m	m	m
	Bulgaria	m	m	m	m	m	m	m	m	m	m	m	m
	Colombia	m	m	m	m	m	m	m	m	m	m	m	m
	Costa Rica	m	m	m	m	m	m	m	m	m	m	m	m
	Croatia	73.4	(0.7)	65.2	(0.7)	68.6	(0.7)	79.5	(0.6)	80.1	(0.5)	81.7	(0.6)
	Cyprus*	m	m	m	m	m	m	m	m	m	m	m	m
	Dominican Republic	69.9	(1.0)	56.3	(1.0)	73.0	(0.9)	76.1	(0.9)	66.7	(1.1)	78.5	(0.8)
	Hong Kong (China)	87.1	(0.4)	67.0	(0.7)	18.6	(0.5)	50.6	(0.7)	57.3	(0.9)	66.6	(0.7)
	Lithuania	m	m	m	m	m	m	m	m	m	m	m	m
	Macao (China)	82.6	(0.5)	39.5	(0.6)	20.9	(0.6)	49.6	(0.7)	45.1	(0.7)	60.3	(0.7)
	Montenegro	m	m	m	m	m	m	m	m	m	m	m	m
	Peru	m	m	m	m	m	m	m	m	m	m	m	m
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	m	m	m	m	m	m	m	m	m	m	m	m
	Singapore	m	m	m	m	m	m	m	m	m	m	m	m
	Chinese Taipei	m	m	m	m	m	m	m	m	m	m	m	m
	Thailand	m	m	m	m	m	m	m	m	m	m	m	m
	Tunisia	m	m	m	m	m	m	m	m	m	m	m	m
	United Arab Emirates	m	m	m	m	m	m	m	m	m	m	m	m
	Uruguay	m	m	m	m	m	m	m	m	m	m	m	m
	Malaysia**	m	m	m	m	m	m	m	m	m	m	m	m

1. The parent questionnaire was distributed only in the Flemish Community.

2. The parent questionnaire was distributed only in Scotland.

3. For the results from the parent questionnaire, the OECD average-32 is the arithmetic mean of the OECD countries with available data from the parent questionnaire and the collaborative problem-solving assessment.

4. For the results from the parent questionnaire, the OECD average-35 is the arithmetic mean of the OECD countries with available data from the parent questionnaire.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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[Part 1/2]

Table V.7.23 Student-parent relationships and performance in collaborative problem solving

		After accounting for students' and schools' socio-economic profile ¹															
		Change in collaborative problem-solving score when students reported the following:															
		Talked to parents before going to school on the most recent day		Talked to parents after leaving school on the most recent day		"Strongly agree" that my parents are interested in my school activities		"Strongly agree" that my parents support my educational efforts and achievements		"Strongly agree" that my parents support me when I am facing difficulties at school		"Strongly agree" that my parents encourage me to be confident					
		Student-level ²		School-level ³		Student-level		School-level		Student-level		School-level		Student-level		School-level	
		Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	5	(4.6)	-1	(2.0)	26	(7.9)	7	(2.9)	15	(2.9)	1	(1.2)	19	(2.8)	2	(1.3)
	Austria	-1	(4.3)	4	(2.6)	5	(6.4)	9	(3.6)	-15	(2.8)	1	(2.3)	-5	(3.0)	2	(2.4)
	Belgium ⁴	-10	(3.4)	9	(3.0)	3	(4.8)	17	(3.8)	-5	(2.1)	0	(2.3)	-2	(2.3)	-2	(2.2)
	Canada	1	(3.3)	3	(2.7)	19	(5.7)	7	(4.3)	13	(2.6)	0	(1.5)	18	(2.7)	1	(1.8)
	Chile	-12	(3.6)	0	(3.1)	-1	(4.3)	7	(3.1)	-1	(2.4)	5	(2.3)	4	(3.1)	4	(2.3)
	Czech Republic	-9	(4.6)	2	(2.2)	16	(6.2)	8	(2.6)	-2	(2.9)	3	(2.0)	8	(2.8)	5	(1.6)
	Denmark	-5	(5.1)	0	(1.6)	16	(7.4)	-2	(2.4)	10	(3.4)	-2	(1.6)	11	(3.5)	-1	(1.6)
	Estonia	4	(4.8)	5	(3.1)	22	(4.5)	12	(3.6)	-3	(3.5)	1	(2.2)	10	(3.0)	9	(1.8)
	Finland	-9	(4.3)	3	(3.1)	25	(7.6)	8	(5.5)	12	(3.5)	5	(2.3)	9	(3.3)	4	(2.5)
	France	-8	(3.4)	1	(2.6)	5	(6.4)	10	(3.6)	0	(2.6)	3	(2.7)	7	(2.7)	2	(2.7)
	Germany	10	(4.2)	3	(3.0)	12	(8.5)	11	(3.3)	-10	(3.5)	1	(2.6)	0	(3.2)	0	(2.3)
	Greece	10	(4.2)	7	(3.3)	23	(4.6)	14	(4.6)	8	(3.1)	10	(2.3)	13	(2.8)	11	(2.2)
	Hungary	-8	(4.6)	4	(2.8)	0	(7.2)	3	(3.5)	0	(2.7)	6	(2.2)	2	(2.8)	6	(1.8)
	Iceland	9	(6.4)	-1	(3.4)	44	(12.2)	6	(5.4)	9	(3.9)	2	(1.5)	17	(4.7)	3	(1.7)
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	3	(5.5)	1	(5.7)	24	(5.4)	7	(10.1)	m	m	m	m	m	m	m	m
	Italy	5	(4.1)	1	(3.5)	20	(5.6)	15	(4.4)	0	(3.2)	-3	(2.1)	5	(3.3)	-2	(2.2)
	Japan	11	(4.1)	6	(3.8)	30	(6.1)	6	(4.8)	14	(2.7)	7	(2.4)	11	(2.4)	7	(2.6)
	Korea	9	(3.7)	-1	(1.5)	13	(3.2)	-2	(2.0)	15	(2.7)	6	(1.9)	14	(3.0)	6	(1.8)
	Latvia	-5	(4.9)	4	(3.0)	25	(7.1)	8	(3.3)	4	(3.3)	2	(1.7)	12	(3.0)	3	(1.5)
	Luxembourg	4	(4.1)	16	(3.0)	33	(6.0)	31	(4.2)	-2	(4.0)	4	(1.8)	1	(3.3)	0	(2.5)
	Mexico	-5	(2.4)	0	(1.8)	0	(2.8)	4	(2.1)	-1	(2.9)	3	(2.0)	4	(2.8)	5	(2.1)
	Netherlands	-2	(4.6)	-1	(5.4)	16	(7.2)	25	(8.4)	8	(2.8)	5	(2.7)	9	(2.9)	5	(3.3)
	New Zealand	4	(5.5)	5	(3.6)	18	(8.6)	8	(5.2)	13	(3.2)	-2	(2.5)	24	(3.5)	1	(2.5)
	Norway	9	(5.8)	0	(2.9)	48	(9.4)	6	(4.0)	3	(3.3)	2	(1.9)	6	(3.4)	4	(1.9)
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	8	(4.9)	5	(4.3)	31	(6.6)	16	(5.9)	1	(3.3)	2	(2.8)	4	(2.8)	5	(2.0)
	Slovak Republic	3	(3.4)	3	(2.5)	17	(5.1)	7	(2.8)	5	(2.6)	4	(2.0)	15	(2.7)	8	(1.6)
	Slovenia	-5	(4.3)	1	(2.0)	1	(4.8)	6	(1.8)	6	(3.5)	3	(1.8)	11	(4.2)	4	(1.6)
	Spain	-7	(3.8)	2	(2.8)	22	(5.8)	8	(3.5)	-7	(2.3)	0	(1.9)	-4	(2.6)	1	(1.9)
	Sweden	3	(5.2)	-1	(3.1)	34	(8.5)	9	(4.4)	4	(3.1)	-3	(1.7)	19	(3.1)	-3	(2.0)
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	13	(3.3)	14	(2.8)	17	(4.3)	14	(3.4)	4	(2.5)	8	(2.8)	7	(2.7)	15	(2.2)
	United Kingdom ⁵	-4	(5.5)	5	(3.3)	8	(8.0)	4	(5.4)	18	(2.9)	5	(2.2)	24	(3.5)	2	(2.0)
	United States	-6	(5.7)	3	(4.2)	23	(8.0)	13	(5.1)	9	(3.6)	-2	(2.5)	19	(3.9)	0	(3.4)
	OECD average	0	(0.8)	3	(0.6)	19	(1.2)	9	(0.8)	4	(0.6)	2	(0.4)	9	(0.6)	3	(0.4)
Partners	Brazil	-5	(3.2)	2	(2.4)	7	(4.2)	6	(2.4)	7	(2.2)	6	(1.4)	13	(2.5)	6	(1.5)
	B-S-J-G (China)	-9	(3.1)	-13	(2.6)	-4	(3.4)	-10	(2.6)	-3	(3.4)	-5	(3.5)	4	(2.4)	6	(2.6)
	Bulgaria	-2	(3.8)	2	(2.9)	20	(6.0)	7	(3.2)	1	(2.4)	5	(2.4)	9	(2.5)	3	(3.0)
	Colombia	-7	(3.3)	-1	(2.4)	-4	(3.6)	2	(2.6)	-2	(2.1)	-2	(1.9)	2	(2.2)	-3	(2.2)
	Costa Rica	4	(3.4)	5	(2.8)	15	(4.6)	2	(4.3)	3	(2.6)	4	(2.2)	1	(2.7)	5	(2.1)
	Croatia	1	(3.8)	3	(3.9)	17	(4.7)	17	(4.7)	4	(3.1)	9	(3.3)	6	(2.6)	11	(2.4)
	Cyprus*	19	(4.1)	18	(2.2)	33	(4.6)	17	(1.9)	10	(3.2)	10	(1.2)	19	(3.1)	9	(1.4)
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	-10	(3.4)	2	(5.2)	8	(4.4)	19	(4.3)	-17	(5.0)	-3	(5.4)	2	(3.3)	1	(4.5)
	Lithuania	4	(4.6)	12	(3.0)	21	(5.0)	14	(2.8)	8	(3.0)	7	(1.5)	16	(3.2)	4	(1.3)
	Macao (China)	-4	(3.4)	-5	(2.5)	13	(4.2)	35	(3.1)	3	(5.1)	-6	(2.5)	10	(3.4)	11	(1.6)
	Montenegro	-9	(3.4)	-10	(2.4)	9	(5.2)	7	(4.0)	5	(2.7)	2	(3.0)	25	(2.7)	11	(1.9)
	Peru	-7	(2.9)	-1	(2.2)	-2	(3.5)	0	(2.1)	4	(2.5)	-1	(1.6)	7	(2.5)	1	(1.5)
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	-2	(5.7)	-3	(4.4)	8	(5.5)	1	(4.6)	1	(3.6)	0	(2.2)	5	(3.4)	5	(2.6)
	Singapore	2	(3.5)	-1	(2.3)	21	(4.6)	5	(3.0)	3	(3.1)	1	(1.9)	1	(2.9)	1	(1.7)
	Chinese Taipei	-3	(2.4)	-2	(2.4)	14	(2.9)	6	(3.0)	5	(3.4)	1	(3.2)	18	(3.2)	2	(2.5)
	Thailand	3	(4.4)	6	(5.1)	8	(5.5)	15	(5.7)	6	(3.0)	7	(2.1)	20	(2.2)	8	(1.9)
	Tunisia	-3	(4.0)	5	(3.4)	-6	(3.2)	5	(2.6)	1	(2.6)	3	(1.9)	3	(2.5)	4	(1.9)
	United Arab Emirates	-1	(4.0)	6	(3.6)	11	(4.4)	25	(3.3)	9	(2.6)	7	(1.8)	17	(2.2)	17	(1.4)
	Uruguay	-3	(3.8)	-2	(2.5)	10	(4.8)	4	(2.4)	1	(2.8)	2	(1.7)	1	(2.5)	2	(2.0)
	Malaysia**	-2	(4.5)	-5	(4.6)	10	(5.1)	-4	(6.4)	3	(2.8)	2	(2.1)	14	(2.6)	4	(1.9)

1. The socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Student-level refers to the change in collaborative problem-solving score associated with students or parents reporting the above.

3. School-level refers to the change in collaborative problem-solving score per 10 percentage-point increase in the number of schoolmates or school parents who reported the above.

4. The parent questionnaire was distributed only in the Flemish Community.

5. The parent questionnaire was distributed only in Scotland.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

Questionnaire items that are measured at both the student and school levels are included in the same regression model.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616845>

[Part 2/2]

Table V.7.23 Student-parent relationships and performance in collaborative problem solving

		After accounting for students' and schools' socio-economic profile ¹															
		Change in collaborative problem-solving score when parents reported the following:															
		"Every day or almost every day" eat the main meal with my child around a table		"Every day or almost every day" spend time just talking to my child		"Strongly agree" that I am interested in my child's school activities		"Strongly agree" that I support my child's efforts at school and his/her achievements		"Strongly agree" that I support my child when he/she is facing difficulties at school		"Strongly agree" that I encourage my child to be confident					
		Student-level ²	School-level ³	Student-level	School-level	Student-level	School-level	Student-level	School-level	Student-level	School-level	Student-level	School-level	Student-level	School-level	Student-level	School-level
		Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.	Score dif. S.E.
OECD	Australia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Austria	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Belgium ⁴	2 (6.0)	4 (4.2)	1 (3.5)	4 (3.5)	4 (3.2)	-1 (3.2)	7 (3.4)	7 (3.0)	1 (4.0)	1 (3.1)	2 (3.6)	0 (3.0)				
	Canada	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Chile	-2 (2.6)	-2 (2.4)	0 (2.6)	0 (2.0)	9 (2.4)	6 (2.6)	7 (3.3)	6 (3.0)	4 (3.8)	4 (3.5)	6 (3.9)	3 (2.8)				
	Czech Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Denmark	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Estonia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Finland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	France	13 (5.7)	4 (3.4)	-4 (3.1)	2 (2.6)	2 (3.9)	4 (2.1)	5 (4.3)	0 (2.9)	-1 (3.2)	-3 (2.6)	-1 (3.5)	-2 (3.1)				
	Germany	-8 (4.9)	3 (2.6)	-8 (9.0)	4 (4.7)	-5 (5.2)	5 (2.5)	-12 (4.2)	3 (2.3)	-14 (4.9)	2 (2.8)	-3 (5.5)	4 (3.0)				
	Greece	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hungary	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Iceland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Italy	-5 (7.7)	-1 (3.9)	-7 (3.8)	-4 (2.7)	4 (3.9)	3 (2.0)	5 (4.0)	4 (2.3)	2 (4.3)	5 (2.3)	1 (4.2)	1 (2.3)				
	Japan	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Korea	3 (3.1)	0 (2.3)	7 (2.8)	8 (2.6)	8 (2.4)	6 (2.6)	14 (2.5)	8 (2.3)	6 (2.3)	6 (2.7)	8 (2.4)	6 (2.3)				
	Latvia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Luxembourg	9 (5.9)	2 (5.3)	14 (4.6)	0 (3.7)	7 (5.5)	8 (3.3)	4 (4.6)	0 (3.6)	3 (5.5)	5 (3.4)	12 (5.7)	2 (3.9)				
	Mexico	-3 (2.5)	0 (2.2)	-5 (2.4)	2 (1.9)	0 (2.8)	6 (1.9)	4 (3.0)	6 (2.0)	-3 (2.9)	5 (2.0)	0 (2.9)	5 (1.9)				
	Netherlands	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	New Zealand	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Norway	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	0 (6.8)	10 (5.2)	1 (5.0)	6 (4.1)	9 (3.2)	8 (2.6)	19 (3.3)	6 (2.5)	8 (3.5)	5 (2.8)	11 (3.9)	5 (3.1)				
	Slovak Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Slovenia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Spain	6 (7.1)	1 (3.9)	3 (4.0)	4 (2.8)	14 (3.4)	4 (1.9)	19 (3.7)	2 (2.5)	13 (3.9)	4 (2.3)	14 (4.1)	1 (2.7)				
	Sweden	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	United Kingdom ⁵	2 (7.1)	3 (2.0)	7 (9.7)	2 (3.8)	-1 (6.8)	0 (3.0)	6 (9.9)	0 (3.0)	-3 (10.8)	2 (3.7)	0 (8.5)	-2 (3.3)				
	United States	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	OECD average	1 (1.7)	2 (1.1)	1 (1.6)	3 (1.0)	5 (1.2)	4 (0.8)	7 (1.4)	4 (0.8)	1 (1.5)	3 (0.9)	5 (1.4)	2 (0.9)				
Partners	Brazil	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	B-S-J-G (China)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Bulgaria	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Colombia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Costa Rica	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Croatia	-16 (4.2)	-4 (2.7)	-5 (2.5)	-3 (3.4)	0 (2.8)	7 (3.4)	4 (3.2)	14 (3.2)	1 (3.6)	9 (4.1)	-3 (3.6)	6 (3.7)				
	Cyprus*	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	1 (4.6)	15 (5.8)	-1 (3.3)	11 (4.3)	-8 (3.5)	-4 (5.1)	5 (3.3)	3 (4.0)	2 (3.3)	9 (3.9)	6 (3.3)	9 (4.8)				
	Lithuania	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Macao (China)	3 (4.4)	25 (3.0)	-3 (3.1)	12 (2.4)	0 (4.0)	-2 (1.7)	10 (3.5)	-1 (2.1)	2 (3.0)	-12 (1.8)	0 (4.0)	0 (2.6)				
	Montenegro	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Peru	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Singapore	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Chinese Taipei	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Thailand	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Tunisia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	United Arab Emirates	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Uruguay	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Malaysia**	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m

1. The socio-economic profile is measured by the PISA index of economic, social and cultural status (ESCS).

2. Student-level refers to the change in collaborative problem-solving score associated with students or parents reporting the above.

3. School-level refers to the change in collaborative problem-solving score per 10 percentage-point increase in the number of schoolmates or school parents who reported the above.

4. The parent questionnaire was distributed only in the Flemish Community.

5. The parent questionnaire was distributed only in Scotland.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

Questionnaire items that are measured at both the student and school levels are included in the same regression model.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616845>

[Part 1/2]

Table V.7.24 Student-parent relationships and relative performance in collaborative problem solving

		After accounting for performance in science, reading and mathematics															
		Change in collaborative problem-solving score when students reported the following:															
		Talked to parents before going to school on the most recent day		Talked to parents after leaving school on the most recent day		"Strongly agree" that my parents are interested in my school activities		"Strongly agree" that my parents support my educational efforts and achievements		"Strongly agree" that my parents support me when I am facing difficulties at school		"Strongly agree" that my parents encourage me to be confident					
		Student-level ¹		School-level ²		Student-level		School-level		Student-level		School-level		Student-level		School-level	
		Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
		Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	2 (2.9)	1 (1.4)	7 (5.2)	3 (2.3)	2 (3.3)	0 (0.8)	4 (2.6)	0 (0.8)	0 (2.9)	1 (0.9)	-3 (3.0)	0 (0.9)				
	Austria	-3 (3.3)	2 (2.0)	2 (5.5)	2 (2.3)	-9 (2.2)	-1 (1.6)	0 (2.2)	-1 (1.5)	1 (1.9)	1 (1.8)	5 (2.0)	2 (1.6)				
	Belgium ³	-8 (2.8)	1 (1.9)	-5 (3.6)	4 (2.4)	-5 (1.8)	-1 (1.1)	-4 (2.2)	-2 (1.1)	-5 (2.0)	2 (1.3)	-2 (1.9)	1 (1.2)				
	Canada	-2 (2.4)	0 (2.1)	-6 (4.2)	0 (3.0)	1 (2.3)	-1 (1.1)	3 (2.3)	-2 (1.3)	-1 (2.1)	-3 (1.3)	0 (2.6)	-3 (1.5)				
	Chile	-4 (2.9)	-1 (1.7)	-4 (4.1)	1 (1.8)	1 (1.9)	-1 (1.4)	4 (2.1)	-1 (1.3)	4 (1.9)	0 (1.3)	2 (2.1)	0 (1.4)				
	Czech Republic	-4 (3.9)	2 (1.5)	6 (5.9)	4 (2.0)	-5 (2.4)	2 (1.3)	1 (2.5)	3 (1.2)	2 (2.0)	1 (1.1)	-2 (2.3)	2 (1.3)				
	Denmark	-4 (3.0)	-1 (1.3)	3 (5.6)	-3 (1.8)	-4 (2.4)	0 (1.1)	-2 (2.5)	0 (1.2)	3 (2.1)	1 (1.2)	0 (2.3)	1 (1.2)				
	Estonia	5 (4.0)	1 (1.8)	8 (3.6)	1 (2.3)	-4 (2.8)	0 (1.2)	-1 (2.3)	2 (1.1)	-1 (2.5)	2 (1.3)	3 (2.0)	3 (1.1)				
	Finland	-2 (3.2)	1 (2.1)	2 (6.3)	5 (2.4)	2 (2.9)	0 (1.4)	1 (3.0)	-2 (1.4)	1 (3.3)	-1 (1.5)	3 (3.1)	-1 (1.7)				
	France	-1 (3.1)	1 (1.5)	0 (5.8)	0 (2.1)	1 (2.3)	2 (1.4)	2 (2.7)	1 (1.3)	2 (2.6)	2 (1.4)	2 (2.8)	2 (1.2)				
	Germany	1 (5.2)	1 (2.3)	6 (7.3)	3 (2.6)	-3 (3.1)	0 (1.4)	2 (2.9)	0 (1.4)	-1 (2.6)	0 (1.4)	0 (2.5)	-1 (1.6)				
	Greece	0 (3.8)	1 (2.1)	3 (4.2)	2 (2.7)	-1 (2.6)	2 (1.4)	1 (2.4)	1 (1.3)	-2 (2.4)	0 (1.5)	3 (2.6)	2 (1.3)				
	Hungary	-6 (4.4)	1 (1.7)	-3 (6.3)	1 (2.0)	-4 (2.4)	2 (1.2)	-3 (2.5)	2 (1.1)	-3 (2.1)	2 (1.1)	-3 (2.2)	1 (1.1)				
	Iceland	2 (4.5)	-3 (2.4)	3 (9.9)	0 (3.8)	-5 (2.7)	0 (1.1)	-2 (3.2)	0 (1.4)	-4 (2.8)	0 (1.5)	0 (3.0)	0 (1.5)				
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m				
	Israel	3 (4.4)	1 (2.8)	7 (4.3)	7 (4.4)	m	m	m	m	m	m	m	m				
	Italy	3 (3.7)	1 (2.4)	9 (5.0)	7 (2.7)	-1 (2.8)	-1 (1.6)	0 (3.0)	1 (1.6)	0 (2.6)	-2 (1.7)	-4 (2.5)	0 (1.7)				
	Japan	9 (3.5)	2 (2.1)	16 (4.8)	1 (2.4)	7 (2.5)	-2 (1.5)	7 (2.3)	-3 (1.4)	8 (2.2)	-1 (1.7)	8 (2.5)	-3 (2.1)				
	Korea	10 (2.4)	2 (1.1)	10 (2.4)	2 (1.3)	7 (2.4)	-2 (1.2)	4 (2.6)	-2 (1.1)	5 (2.2)	-3 (1.2)	5 (2.4)	-3 (1.2)				
	Latvia	0 (4.1)	-1 (1.9)	9 (5.8)	2 (2.5)	1 (3.0)	1 (1.1)	-2 (2.7)	1 (1.0)	0 (3.4)	1 (1.0)	2 (3.0)	1 (1.0)				
	Luxembourg	2 (3.2)	7 (2.4)	9 (4.6)	15 (3.2)	-2 (3.6)	-1 (1.6)	-2 (3.1)	-1 (2.2)	-3 (2.9)	0 (1.6)	-2 (3.4)	-3 (2.2)				
	Mexico	-4 (2.0)	-1 (1.3)	-6 (2.4)	0 (1.7)	1 (2.6)	1 (1.3)	1 (2.9)	2 (1.2)	0 (2.5)	2 (1.0)	1 (2.6)	1 (1.1)				
	Netherlands	-1 (3.8)	0 (2.7)	0 (6.4)	0 (4.3)	4 (2.2)	0 (1.7)	6 (2.5)	2 (2.1)	7 (2.4)	1 (1.7)	8 (2.9)	2 (1.6)				
	New Zealand	-2 (4.5)	-1 (2.7)	-6 (7.0)	-1 (3.5)	1 (2.9)	-1 (1.6)	5 (2.7)	-1 (1.7)	3 (3.0)	-1 (1.5)	4 (3.2)	-1 (1.8)				
	Norway	5 (4.6)	1 (2.2)	4 (7.3)	2 (3.7)	0 (3.1)	0 (1.5)	-2 (3.2)	1 (1.6)	-7 (3.1)	1 (1.6)	-7 (2.3)	0 (1.5)				
	Poland	m	m	m	m	m	m	m	m	m	m	m	m				
	Portugal	11 (3.7)	-3 (3.1)	17 (5.5)	0 (4.5)	-2 (2.8)	0 (1.7)	-3 (2.5)	0 (1.6)	-1 (2.2)	0 (1.5)	-1 (2.1)	0 (1.4)				
	Slovak Republic	1 (2.8)	-1 (1.7)	0 (5.0)	1 (1.4)	-2 (2.1)	3 (1.0)	1 (2.4)	3 (1.1)	-2 (2.6)	3 (1.1)	-1 (2.4)	2 (1.1)				
	Slovenia	-3 (3.5)	0 (1.7)	-1 (4.0)	3 (1.5)	7 (3.1)	1 (1.1)	5 (3.7)	1 (1.3)	1 (2.8)	0 (1.2)	5 (3.0)	1 (1.3)				
	Spain	-2 (3.1)	1 (1.7)	10 (4.4)	3 (2.8)	-8 (1.8)	1 (1.1)	-5 (2.4)	0 (1.2)	-5 (2.1)	1 (1.3)	-5 (2.9)	0 (1.3)				
	Sweden	1 (3.8)	1 (2.0)	2 (6.3)	2 (3.0)	0 (3.1)	0 (1.2)	2 (2.5)	0 (1.4)	1 (2.7)	-1 (1.3)	1 (2.8)	0 (1.4)				
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m				
	Turkey	4 (2.5)	4 (1.5)	5 (3.2)	4 (1.6)	2 (2.2)	1 (1.4)	1 (2.3)	3 (1.3)	0 (2.1)	2 (1.4)	0 (2.1)	2 (1.7)				
	United Kingdom ⁴	-6 (4.4)	2 (2.7)	-9 (5.6)	0 (3.8)	4 (2.5)	2 (1.5)	10 (3.0)	0 (1.5)	1 (2.8)	1 (1.7)	4 (2.9)	2 (1.4)				
	United States	-1 (4.4)	1 (2.8)	4 (5.9)	0 (3.1)	3 (2.8)	0 (1.4)	7 (2.7)	2 (1.9)	6 (3.1)	1 (1.5)	4 (3.1)	1 (1.8)				
	OECD average	0 (0.6)	1 (0.4)	3 (1.0)	2 (0.5)	0 (0.5)	0 (0.2)	1 (0.5)	0 (0.3)	0 (0.5)	0 (0.3)	1 (0.5)	0 (0.3)				
Partners	Brazil	-6 (2.7)	0 (1.5)	-3 (4.5)	1 (1.8)	1 (2.0)	1 (1.0)	3 (2.6)	0 (1.0)	0 (2.0)	0 (1.1)	1 (2.4)	0 (1.0)				
	B-S-J-G (China)	2 (2.6)	-1 (1.5)	4 (3.1)	1 (1.7)	-1 (3.0)	0 (2.0)	-4 (2.2)	-2 (1.6)	1 (2.4)	-1 (1.4)	2 (2.5)	-1 (1.5)				
	Bulgaria	-2 (3.2)	0 (2.0)	8 (4.6)	1 (2.1)	-3 (2.3)	2 (1.4)	-3 (2.2)	3 (1.5)	-2 (1.9)	3 (1.4)	1 (2.3)	2 (1.3)				
	Colombia	-7 (2.7)	-3 (1.6)	-7 (3.1)	-2 (1.9)	0 (2.2)	0 (1.3)	-2 (1.8)	-1 (1.3)	-3 (2.0)	0 (1.2)	-3 (2.0)	-2 (1.3)				
	Costa Rica	4 (3.2)	0 (2.3)	8 (3.8)	-1 (2.7)	4 (2.5)	0 (1.6)	2 (2.5)	1 (1.7)	1 (3.2)	2 (1.4)	4 (2.3)	1 (1.4)				
	Croatia	4 (3.0)	0 (2.1)	14 (4.2)	6 (3.1)	2 (2.5)	1 (1.6)	1 (2.1)	2 (1.4)	2 (2.5)	2 (1.7)	2 (2.2)	2 (1.9)				
	Cyprus*	1 (3.1)	1 (1.9)	9 (3.6)	1 (1.8)	0 (2.7)	2 (1.2)	1 (2.6)	1 (1.2)	1 (2.4)	1 (1.2)	0 (2.6)	2 (1.4)				
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m				
	Hong Kong (China)	-2 (2.6)	1 (2.5)	5 (3.0)	6 (2.3)	-14 (3.8)	-1 (3.8)	-7 (2.8)	1 (2.0)	-7 (2.9)	1 (2.4)	-6 (2.6)	1 (1.8)				
	Lithuania	2 (3.8)	2 (1.6)	3 (4.0)	2 (1.7)	6 (2.3)	2 (0.8)	5 (2.8)	0 (0.8)	1 (2.5)	0 (0.9)	-1 (2.6)	0 (0.9)				
	Macao (China)	-1 (2.8)	-4 (2.2)	5 (3.7)	0 (1.7)	-1 (3.5)	-4 (1.8)	1 (2.5)	1 (1.3)	1 (3.0)	0 (1.6)	0 (2.9)	0 (1.3)				
	Montenegro	2 (2.9)	-1 (2.0)	4 (4.6)	5 (3.1)	0 (2.3)	1 (1.9)	8 (2.4)	2 (1.4)	7 (1.9)	3 (1.3)	9 (2.2)	3 (1.8)				
	Peru	-4 (2.3)	-1 (1.6)	-3 (2.7)	-1 (1.7)	3 (2.2)	1 (1.2)	3 (2.5)	1 (1.0)	5 (2.4)	1 (1.2)	2 (2.4)	2 (1.2)				
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m				
	Russia	-1 (4.6)	-5 (3.8)	1 (4.5)	-5 (3.7)	-4 (3.2)	2 (2.2)	-4 (3.0)	3 (2.0)	-1 (2.5)	3 (1.9)	-2 (3.0)	0 (1.9)				
	Singapore	3 (2.6)	-2 (1.3)	9 (3.7)	-1 (1.6)	0 (2.1)	-2 (1.2)	0 (2.0)	-3 (1.0)	-2 (2.4)	-3 (1.2)	-1 (2.1)	-1 (1.1)				
	Chinese Taipei	0 (1.7)	-2 (2.0)	5 (2.2)	0 (2.3)	1 (3.2)	0 (2.0)	3 (2.9)	-1 (1.6)	3 (2.7)	-1 (1.7)	3 (2.9)	-2 (1.8)				
	Thailand	0 (4.3)	-1 (2.9)	-4 (4.8)	0 (4.0)	3 (2.1)	1 (1.4)	6 (1.9)	3 (1.2)	7 (1.9)	4 (1.3)	5 (2.1)	2 (1.2)				
	Tunisia	-6 (3.4)	0 (2.4)	-10 (3.2)	1 (1.7)	1 (2.3)	0 (1.5)	0 (2.1)	0 (1.5)	0 (2.3)	0 (1.4)	3 (2.4)	0 (1.4)				
	United Arab Emirates	-6 (2.6)	-1 (2.1)	-3 (3.9)	5 (2.0)	2 (2.8)	2 (1.0)	1 (2.2)	3 (1.0)	-1 (2.0)	1 (1.3)	2 (2.2)	0 (1.2)				
	Uruguay	1 (3.0)	1 (1.7)	4 (4.0)	2 (1.8)	-5 (2.6)	1 (1.3)	-4 (2.0)	0 (1.4)	-3 (2.1)	-1 (1.5)	-1 (1.7)	-2 (1.4)				
	Malaysia**	4 (3.7)	-3 (3.7)	7 (4.2)	-1 (4.7)	-1 (2.9)	0 (1.6)	1 (2.3)	0 (1.4)	2 (2.8)	0 (1.5)	6 (2.8)	-1 (1.2)				

1. Student-level refers to the change in collaborative problem-solving score associated with students or parents reporting the above.

2. School-level refers to the change in collaborative problem-solving score per 10 percentage-point increase in the number of schoolmates or school parents who reported the above.

3. The parent questionnaire was distributed only in the Flemish Community.

4. The parent questionnaire was distributed only in Scotland.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

Questionnaire items that are measured at both the student and school levels are included in the same regression model.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

StatLink  <http://dx.doi.org/10.1787/888933616845>

[Part 2/2]

Table V.7.24 Student-parent relationships and relative performance in collaborative problem solving

		After accounting for performance in science, reading and mathematics															
		Change in collaborative problem-solving score when parents reported the following:															
		"Every day or almost every day" eat the main meal with my child around a table		"Every day or almost every day" spend time just talking to my child		"Strongly agree" that I am interested in my child's school activities		"Strongly agree" that I support my child's efforts at school and his/her achievements		"Strongly agree" that I support my child when he/she is facing difficulties at school		"Strongly agree" that I encourage my child to be confident					
		Student-level ¹		School-level ²		Student-level		School-level		Student-level		School-level		Student-level		School-level	
		Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
		Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Australia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Austria	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Belgium ³	-3 (5.3)	0 (2.3)	3 (3.1)	4 (2.0)	-2 (2.7)	0 (1.6)	1 (2.8)	2 (1.7)	1 (3.3)	1 (1.7)	2 (3.1)	0 (1.9)				
	Canada	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Chile	5 (2.3)	0 (1.5)	3 (2.4)	1 (1.5)	3 (2.2)	2 (1.3)	5 (2.8)	1 (1.7)	3 (3.1)	2 (1.7)	4 (3.2)	1 (1.7)				
	Czech Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Denmark	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Estonia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Finland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	France	7 (4.9)	0 (2.1)	-3 (2.8)	3 (1.5)	4 (3.3)	1 (1.3)	5 (3.7)	3 (1.6)	1 (2.5)	0 (1.4)	3 (3.0)	1 (1.6)				
	Germany	-8 (4.2)	1 (1.7)	-9 (8.4)	-3 (3.2)	-6 (4.1)	1 (1.7)	-8 (3.4)	0 (1.5)	-10 (4.4)	1 (1.6)	-5 (4.3)	1 (2.1)				
	Greece	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hungary	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Iceland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Ireland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Israel	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Italy	-9 (6.1)	0 (3.4)	-4 (3.3)	1 (1.7)	0 (3.3)	3 (1.3)	0 (3.5)	3 (1.5)	-1 (3.8)	3 (1.4)	-3 (3.9)	2 (1.5)				
	Japan	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Korea	1 (2.4)	1 (1.3)	3 (2.5)	2 (1.3)	0 (2.2)	0 (1.4)	-1 (2.0)	0 (1.2)	0 (1.9)	0 (1.2)	1 (2.3)	1 (1.4)				
	Latvia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Luxembourg	3 (4.8)	7 (3.9)	3 (3.6)	0 (2.6)	3 (4.9)	2 (2.1)	4 (4.1)	-3 (3.1)	1 (5.2)	1 (2.3)	8 (5.3)	-3 (3.3)				
	Mexico	-3 (2.2)	0 (1.4)	0 (2.0)	2 (1.1)	-4 (2.4)	2 (1.3)	-2 (2.9)	3 (1.1)	-6 (2.8)	4 (1.1)	-4 (2.5)	3 (1.1)				
	Netherlands	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	New Zealand	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Norway	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Poland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Portugal	-1 (6.2)	0 (3.6)	-1 (4.2)	2 (2.8)	4 (2.9)	3 (1.4)	5 (2.7)	1 (1.5)	2 (3.0)	2 (1.6)	4 (3.5)	4 (1.6)				
	Slovak Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Slovenia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Spain	1 (5.7)	0 (2.9)	1 (3.0)	1 (2.1)	5 (3.1)	1 (1.3)	7 (3.4)	0 (1.7)	4 (3.7)	1 (1.6)	4 (3.2)	0 (1.8)				
	Sweden	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Switzerland	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Turkey	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	United Kingdom ⁴	-3 (5.1)	0 (1.5)	2 (7.1)	-1 (2.8)	-11 (6.1)	-1 (2.3)	-2 (7.0)	-3 (2.3)	2 (7.3)	-2 (2.8)	2 (6.6)	-4 (2.4)				
	United States	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	OECD average	-1 (1.4)	1 (0.8)	0 (1.3)	1 (0.6)	0 (1.1)	1 (0.5)	1 (1.1)	1 (0.5)	0 (1.2)	1 (0.5)	2 (1.2)	1 (0.6)				
Partners	Brazil	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	B-S-J-G (China)	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Bulgaria	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Colombia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Costa Rica	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Croatia	-7 (4.0)	-2 (1.5)	-2 (1.9)	0 (1.6)	-2 (2.8)	2 (1.6)	-2 (2.9)	4 (1.6)	0 (2.7)	4 (2.0)	-2 (2.7)	3 (1.7)				
	Cyprus*	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Dominican Republic	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Hong Kong (China)	-5 (3.4)	0 (2.7)	-2 (3.1)	1 (1.9)	-12 (3.4)	-2 (2.2)	-7 (3.4)	0 (1.6)	-5 (2.8)	1 (1.5)	-2 (2.8)	1 (1.7)				
	Lithuania	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Macao (China)	-5 (3.2)	2 (2.3)	-5 (2.8)	-1 (1.2)	-6 (3.1)	-2 (1.4)	-3 (2.6)	-2 (1.7)	-3 (2.6)	-3 (1.3)	-4 (3.1)	-3 (1.7)				
	Montenegro	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Peru	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Qatar	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Russia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Singapore	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Chinese Taipei	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Thailand	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Tunisia	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	United Arab Emirates	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Uruguay	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
	Malaysia**	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m

1. Student-level refers to the change in collaborative problem-solving score associated with students or parents reporting the above.

2. School-level refers to the change in collaborative problem-solving score per 10 percentage-point increase in the number of schoolmates or school parents who reported the above.

3. The parent questionnaire was distributed only in the Flemish Community.

4. The parent questionnaire was distributed only in Scotland.

Notes: Values that are statistically significant are indicated in bold (see Annex A3).

Questionnaire items that are measured at both the student and school levels are included in the same regression model.

* See note at the beginning of this Annex.

**Malaysia: Coverage is too small to ensure comparability (see Annex A4).

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ANNEX B2

RESULTS FOR REGIONS WITHIN COUNTRIES

[Part 1/1]

Table B2.V.1 Percentage of students at each proficiency level of collaborative problem solving

		All students									
		Below Level 1 (below 340 score points)		Level 1 (from 340 to less than 440 score points)		Level 2 (from 440 to less than 540 score points)		Level 3 (from 540 to less than 640 score points)		Level 4 (at or above 640 score points)	
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Belgium										
	Flemish community*	3.9	(0.5)	17.2	(0.9)	35.1	(0.9)	34.0	(1.0)	9.7	(0.8)
	French community	8.1	(0.9)	25.8	(1.4)	38.5	(1.3)	23.6	(1.3)	4.0	(0.6)
	German-speaking community	3.2	(1.1)	22.4	(2.6)	45.5	(3.6)	26.1	(3.6)	2.9	(1.2)
	Canada										
	Alberta	3.2	(0.7)	13.8	(1.4)	30.4	(1.8)	34.5	(2.0)	18.2	(1.7)
	British Columbia	2.3	(0.7)	10.6	(1.3)	27.4	(1.8)	37.2	(1.9)	22.5	(1.9)
	Manitoba	4.6	(1.0)	18.5	(1.6)	34.4	(1.8)	29.5	(1.8)	12.9	(1.5)
	New Brunswick	4.3	(1.0)	18.1	(1.6)	35.8	(2.2)	30.8	(2.2)	11.1	(1.6)
	Newfoundland and Labrador	4.0	(0.8)	16.8	(1.8)	35.8	(2.1)	31.7	(1.9)	11.7	(1.5)
	Nova Scotia	3.3	(0.7)	15.7	(1.5)	32.7	(1.8)	33.0	(2.5)	15.3	(1.6)
	Ontario	3.7	(0.5)	16.1	(1.3)	32.2	(1.5)	32.6	(1.5)	15.5	(1.4)
	Prince Edward Island	3.1	(1.2)	15.4	(2.2)	34.8	(3.5)	34.4	(3.8)	12.3	(2.2)
	Quebec	3.1	(0.5)	14.1	(1.4)	33.6	(1.6)	36.0	(1.6)	13.3	(1.4)
	Saskatchewan	4.7	(1.0)	21.3	(1.6)	35.6	(1.3)	28.7	(1.6)	9.7	(1.0)
	Italy										
	Bolzano	3.0	(0.6)	18.2	(1.9)	39.6	(1.9)	32.4	(2.2)	6.9	(1.6)
	Campania	13.0	(1.6)	36.8	(2.2)	34.9	(2.0)	13.4	(1.4)	1.9	(0.5)
	Lombardia	4.8	(1.1)	22.0	(1.8)	39.5	(1.7)	28.0	(2.0)	5.7	(1.1)
	Trento	3.7	(0.6)	20.2	(1.3)	43.1	(2.1)	28.5	(1.6)	4.4	(0.8)
	Portugal										
	Região Autónoma dos Açores	7.2	(0.8)	31.6	(1.6)	40.3	(2.3)	18.6	(1.6)	2.3	(0.6)
	Spain										
	Andalusia*	7.2	(1.0)	24.9	(1.7)	39.4	(1.5)	24.6	(1.8)	3.9	(0.6)
	Aragon*	4.9	(0.9)	21.0	(1.8)	39.9	(1.7)	28.7	(1.9)	5.6	(1.2)
	Asturias*	5.5	(1.6)	21.5	(2.3)	40.2	(1.8)	27.6	(2.5)	5.3	(1.8)
	Balearic Islands*	5.4	(0.8)	24.4	(1.7)	40.6	(2.2)	25.4	(2.4)	4.2	(1.0)
	Basque Country*	6.2	(0.9)	25.3	(1.5)	40.6	(1.5)	24.3	(1.6)	3.6	(0.6)
	Canary Islands*	6.4	(1.0)	25.6	(1.5)	39.4	(1.4)	24.6	(1.7)	4.0	(0.9)
	Cantabria*	5.1	(1.2)	26.5	(2.4)	40.0	(1.4)	24.6	(2.3)	3.7	(1.3)
Castile and Leon*	2.6	(0.5)	16.5	(1.5)	40.1	(1.6)	33.0	(1.6)	7.8	(1.0)	
Castile-La Mancha*	4.3	(0.7)	21.2	(1.6)	42.1	(1.6)	27.6	(1.6)	4.8	(0.9)	
Catalonia*	4.6	(0.8)	19.9	(1.4)	38.4	(1.4)	29.9	(1.9)	7.1	(0.9)	
Comunidad Valenciana*	4.7	(0.7)	23.1	(1.5)	41.6	(1.7)	26.1	(1.7)	4.5	(0.9)	
Extremadura*	7.7	(1.1)	28.3	(1.6)	39.3	(1.7)	21.5	(1.9)	3.2	(0.7)	
Galicia*	5.2	(0.8)	22.6	(1.7)	39.9	(1.6)	27.8	(2.0)	4.6	(0.9)	
La Rioja*	5.6	(1.1)	22.5	(2.7)	38.1	(2.1)	28.3	(2.7)	5.4	(1.8)	
Madrid*	3.2	(0.8)	15.8	(1.1)	38.2	(1.6)	34.7	(1.5)	8.1	(0.9)	
Murcia*	5.8	(1.0)	24.7	(1.9)	40.9	(1.6)	24.7	(1.7)	3.9	(0.7)	
Navarre*	3.7	(0.8)	19.0	(1.8)	41.5	(2.0)	29.9	(2.6)	6.0	(1.1)	
United Kingdom											
England	4.3	(0.5)	17.8	(1.0)	34.0	(0.9)	31.0	(1.0)	12.9	(0.9)	
Northern Ireland	2.6	(0.5)	18.5	(1.4)	39.1	(1.6)	32.8	(1.4)	7.0	(0.8)	
Scotland*	4.2	(0.5)	19.6	(0.8)	35.1	(1.0)	31.2	(1.0)	9.8	(0.7)	
Wales	3.9	(0.5)	23.0	(1.3)	41.0	(1.3)	27.2	(1.5)	4.9	(0.5)	
United States											
Massachusetts*	2.7	(0.6)	12.8	(1.5)	29.6	(1.8)	35.0	(1.9)	19.9	(1.9)	
North Carolina*	3.9	(0.6)	18.2	(1.5)	32.4	(1.7)	31.7	(2.0)	13.8	(1.6)	
Partners	Colombia										
	Bogotá	5.1	(0.9)	29.3	(1.9)	44.3	(2.0)	19.4	(1.9)	1.9	(0.8)
	Cali	9.5	(1.2)	41.9	(2.0)	37.6	(1.8)	10.5	(1.4)	0.6	(0.2)
	Manizales	7.1	(1.0)	37.7	(2.2)	42.5	(1.8)	11.9	(1.6)	0.7	(0.4)
	Medellín	7.8	(1.2)	36.8	(2.0)	41.1	(2.0)	13.3	(1.6)	1.0	(0.4)
	United Arab Emirates										
	Abu Dhabi*	18.2	(1.4)	41.7	(1.5)	30.3	(1.7)	9.0	(1.1)	0.8	(0.2)
	Ajman	21.5	(2.2)	42.2	(2.1)	28.1	(2.2)	7.7	(1.4)	0.4	(0.4)
	Dubai*	9.3	(0.6)	26.8	(0.8)	35.6	(1.1)	23.5	(0.9)	4.7	(0.5)
	Fujairah	24.1	(2.7)	45.1	(2.7)	24.9	(2.2)	5.3	(1.5)	0.6	(0.4)
	Ras Al Khaimah	24.5	(3.2)	45.4	(3.2)	24.4	(2.5)	5.2	(1.5)	0.6	(0.5)
	Sharjah	16.0	(2.7)	39.3	(3.1)	33.6	(3.0)	10.5	(2.4)	0.6	(0.4)
	Umm Al Quwain	25.1	(3.6)	48.8	(3.9)	22.0	(2.8)	4.0	(1.3)	0.1	(0.3)

* PISA for adjudicated region.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

See Table V.3.1 for national data.

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[Part 1/1]

Table B2.V.2 Mean score and variation in collaborative problem-solving performance

		Mean score		Standard deviation		Percentiles													
						5th		10th		25th		Median (50th)		75th		90th		95th	
		Mean	S.E.	S.D.	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.
OECD	Belgium																		
	Flemish community*	519	(2.8)	97	(2.0)	351	(5.1)	387	(5.1)	454	(4.1)	525	(2.8)	588	(2.9)	639	(4.1)	667	(4.4)
	French community	479	(4.2)	97	(2.0)	318	(6.3)	352	(6.3)	412	(6.2)	483	(4.8)	548	(4.5)	602	(5.0)	632	(5.1)
	German-speaking community	493	(6.4)	81	(3.4)	357	(12.1)	385	(10.1)	438	(8.3)	495	(7.3)	548	(8.7)	595	(12.1)	620	(12.4)
	Canada																		
	Alberta	543	(5.8)	105	(2.7)	363	(8.8)	402	(8.6)	471	(7.9)	547	(6.9)	616	(6.6)	676	(7.2)	711	(8.8)
	British Columbia	561	(5.8)	105	(3.0)	380	(11.2)	421	(10.0)	494	(7.4)	565	(5.6)	632	(6.5)	692	(6.7)	728	(9.7)
	Manitoba	519	(5.5)	105	(2.5)	343	(10.3)	381	(7.4)	446	(6.8)	520	(5.8)	593	(6.3)	655	(8.1)	690	(11.0)
	New Brunswick	517	(5.5)	101	(2.9)	347	(10.6)	385	(7.7)	449	(7.7)	520	(7.2)	588	(7.2)	645	(9.0)	679	(7.8)
	Newfoundland and Labrador	521	(4.4)	100	(2.4)	352	(8.7)	391	(8.0)	454	(6.2)	525	(6.1)	591	(5.9)	647	(6.7)	681	(8.3)
	Nova Scotia	533	(4.6)	104	(3.0)	358	(8.0)	393	(7.7)	462	(6.1)	535	(6.0)	606	(5.8)	665	(7.7)	699	(8.8)
	Ontario	532	(4.4)	106	(1.8)	353	(6.1)	393	(5.6)	460	(5.3)	535	(5.0)	605	(4.9)	666	(6.6)	702	(6.6)
	Prince Edward Island	529	(5.9)	100	(5.0)	362	(17.2)	394	(14.4)	463	(9.4)	533	(8.8)	597	(9.2)	651	(14.4)	689	(16.8)
	Quebec	534	(4.7)	98	(2.3)	363	(7.7)	403	(7.3)	470	(5.9)	538	(4.9)	601	(5.3)	655	(5.9)	688	(7.3)
	Saskatchewan	508	(3.7)	101	(2.3)	342	(7.6)	376	(5.7)	436	(5.6)	509	(4.9)	580	(4.9)	638	(5.9)	673	(5.8)
	Italy																		
	Bolzano	512	(7.3)	88	(2.1)	361	(8.6)	395	(7.9)	452	(6.9)	516	(7.0)	575	(8.9)	624	(9.5)	652	(10.9)
	Campania	443	(5.4)	93	(3.2)	297	(10.4)	327	(7.8)	378	(5.6)	440	(5.9)	505	(7.2)	566	(8.6)	601	(9.4)
	Lombardia	498	(5.6)	93	(2.8)	342	(11.2)	377	(8.5)	434	(7.2)	500	(6.3)	563	(6.8)	615	(7.2)	645	(7.8)
	Trento	500	(2.8)	86	(2.0)	353	(6.0)	385	(4.2)	443	(3.5)	504	(3.7)	558	(3.8)	606	(6.1)	635	(7.2)
	Portugal																		
	Região Autónoma dos Açores	467	(2.8)	87	(2.2)	327	(5.2)	354	(4.7)	404	(4.8)	467	(4.1)	528	(4.0)	580	(5.8)	609	(5.5)
	Spain																		
	Andalusia*	483	(4.4)	94	(2.2)	322	(8.4)	357	(6.4)	419	(5.4)	484	(5.2)	550	(5.1)	603	(5.4)	631	(5.9)
	Aragon*	499	(6.1)	91	(2.1)	341	(8.4)	379	(8.3)	438	(7.1)	502	(6.9)	564	(6.2)	615	(7.0)	644	(8.4)
Asturias*	496	(10.7)	92	(1.9)	337	(11.8)	370	(13.4)	434	(11.2)	500	(10.4)	560	(10.8)	612	(10.3)	641	(12.4)	
Balearic Islands*	488	(5.6)	91	(2.1)	337	(8.0)	370	(6.2)	426	(5.5)	490	(6.0)	552	(7.2)	605	(6.8)	634	(7.8)	
Basque Country*	484	(4.8)	91	(1.5)	331	(6.8)	363	(5.6)	421	(5.2)	487	(5.7)	548	(5.0)	600	(4.9)	628	(5.7)	
Canary Islands*	484	(5.0)	93	(2.3)	329	(8.2)	362	(6.7)	420	(5.5)	486	(5.8)	551	(4.8)	603	(6.7)	632	(7.1)	
Cantabria*	485	(8.2)	89	(2.0)	339	(8.9)	367	(7.4)	421	(8.9)	487	(8.8)	548	(8.0)	598	(9.4)	627	(11.9)	
Castile and Leon*	517	(4.2)	88	(1.8)	366	(7.2)	400	(6.8)	459	(5.1)	519	(5.3)	578	(5.0)	630	(5.4)	657	(5.7)	
Castile-La Mancha*	497	(4.3)	89	(1.9)	347	(7.1)	379	(7.2)	438	(5.6)	499	(4.8)	559	(4.8)	610	(5.8)	639	(7.0)	
Catalonia*	505	(4.7)	94	(2.1)	343	(8.1)	379	(7.1)	441	(6.3)	509	(5.5)	572	(4.9)	625	(5.7)	653	(5.8)	
Comunidad Valenciana*	492	(3.8)	89	(2.3)	342	(5.8)	375	(5.9)	432	(4.9)	494	(5.3)	554	(5.0)	605	(6.4)	635	(7.4)	
Extremadura*	474	(4.7)	92	(2.0)	321	(7.3)	354	(6.4)	409	(5.5)	476	(5.1)	539	(6.2)	593	(6.3)	623	(6.8)	
Galicia*	494	(5.7)	91	(2.1)	339	(7.1)	373	(6.8)	431	(6.9)	499	(6.1)	559	(6.8)	610	(7.0)	636	(7.4)	
La Rioja*	495	(9.1)	94	(2.5)	335	(8.5)	369	(9.3)	430	(10.7)	499	(9.7)	562	(9.8)	611	(11.1)	642	(13.2)	
Madrid*	519	(3.4)	90	(2.4)	361	(9.5)	398	(7.3)	461	(4.7)	524	(4.1)	581	(5.2)	631	(5.0)	658	(5.6)	
Murcia*	486	(5.0)	90	(2.0)	334	(8.0)	366	(6.2)	424	(6.5)	490	(5.5)	550	(5.4)	601	(5.2)	631	(5.9)	
Navarre*	505	(6.5)	89	(2.0)	353	(8.5)	389	(7.6)	447	(7.0)	508	(6.8)	568	(7.2)	618	(7.4)	647	(7.1)	
United Kingdom																			
England	521	(3.1)	104	(1.3)	347	(4.8)	384	(4.6)	450	(4.2)	523	(3.7)	594	(3.9)	654	(3.6)	690	(4.2)	
Northern Ireland	514	(3.7)	88	(1.9)	366	(6.6)	398	(5.5)	452	(5.5)	517	(4.3)	577	(4.5)	626	(5.0)	654	(5.2)	
Scotland*	513	(2.5)	99	(1.7)	347	(5.0)	381	(4.4)	444	(3.7)	516	(3.0)	585	(3.5)	639	(3.7)	670	(4.4)	
Wales	496	(3.5)	89	(1.5)	349	(5.1)	378	(4.9)	434	(4.6)	498	(4.0)	559	(4.2)	611	(4.2)	639	(4.3)	
United States																			
Massachusetts*	549	(6.2)	105	(2.8)	368	(9.5)	408	(8.7)	478	(8.1)	553	(7.6)	624	(7.1)	682	(7.6)	714	(8.9)	
North Carolina*	525	(5.3)	104	(2.4)	351	(6.9)	387	(6.5)	450	(6.0)	527	(7.4)	601	(6.5)	657	(5.9)	690	(7.6)	
Partners	Colombia																		
	Bogotá	474	(4.8)	82	(2.9)	340	(6.8)	368	(5.4)	417	(5.2)	474	(5.6)	530	(6.6)	580	(7.9)	608	(9.6)
	Cali	440	(4.4)	78	(2.0)	317	(5.1)	342	(4.9)	386	(4.6)	437	(5.1)	494	(6.4)	545	(6.7)	573	(7.6)
	Manizales	451	(3.9)	77	(2.2)	327	(6.0)	353	(4.3)	397	(4.2)	450	(4.4)	504	(5.4)	552	(6.8)	580	(9.0)
	Medellín	453	(4.5)	80	(2.0)	324	(6.9)	351	(5.6)	396	(5.0)	451	(5.1)	508	(5.5)	557	(7.1)	586	(7.2)
	United Arab Emirates																		
	Abu Dhabi*	422	(4.2)	88	(1.9)	287	(5.2)	313	(4.6)	358	(4.3)	417	(5.2)	481	(5.6)	539	(6.4)	572	(7.1)
	Ajman	412	(5.7)	87	(2.9)	275	(10.2)	303	(7.3)	349	(6.2)	407	(7.2)	472	(7.3)	529	(9.6)	563	(9.0)
	Dubai*	477	(2.2)	100	(1.6)	313	(3.9)	343	(2.9)	404	(3.0)	479	(2.8)	550	(3.2)	605	(3.8)	638	(4.4)
	Fujairah	402	(7.3)	85	(4.9)	274	(10.2)	299	(6.6)	342	(6.6)	396	(8.1)	457	(10.9)	516	(13.4)	546	(13.9)
	Ras Al Khaimah	400	(9.0)	84	(5.4)	272	(11.0)	298	(9.7)	341	(8.1)	393	(8.8)	454	(11.6)	510	(14.1)	547	(18.2)
	Sharjah	429	(9.4)	88	(3.1)	286	(12.2)	316	(9.6)	367	(10.6)	427	(11.1)	490	(11.9)	545	(11.3)	575	(11.8)
	Umm Al Quwain	394	(6.1)	77	(4.5)	276	(12.7)	299	(9.9)	339	(8.7)	389	(7.8)	442	(8.2)	499	(11.7)	531	(14.4)

* PISA for adjudicated region.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

See Table V.3.2 for national data.

StatLink  <http://dx.doi.org/10.1787/888933616750>

[Part 1/2]

Table B2.V.3 Top performers in four PISA subjects

		Percentage of 15-year-old students who are:																
		Not top performers in any of the four subjects		Top performers ¹ in only one of science, reading or mathematics		Top performers in only two of science, reading and mathematics		Top performers in science, reading and mathematics		Top performers in only collaborative problem solving		Top performers in collaborative problem solving and science		Top performers in collaborative problem solving and reading		Top performers in collaborative problem solving and mathematics		
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Belgium																	
	Flemish community*	72.3	(1.0)	10.0	(0.6)	4.8	(0.5)	3.2	(0.4)	2.5	(0.4)	0.3	(0.1)	0.5	(0.1)	1.2	(0.2)	
	French community	85.7	(1.2)	6.4	(0.7)	2.5	(0.3)	1.4	(0.3)	1.3	(0.3)	0.1	(0.1)	0.2	(0.1)	0.6	(0.2)	
	German-speaking community	86.2	(2.3)	6.2	(1.5)	3.0	(1.7)	1.6	(0.8)	1.3	(0.8)	0.1	(0.3)	0.1	(0.3)	0.3	(0.4)	
	Canada																	
	Alberta	70.0	(1.8)	6.8	(1.0)	3.1	(0.6)	1.9	(0.5)	5.9	(0.9)	1.1	(0.3)	1.5	(0.4)	0.9	(0.4)	
	British Columbia	66.7	(2.2)	6.5	(1.0)	2.8	(0.6)	1.5	(0.5)	8.4	(1.2)	1.0	(0.4)	2.1	(0.6)	1.3	(0.4)	
	Manitoba	81.6	(1.6)	3.6	(0.6)	1.3	(0.4)	0.6	(0.3)	5.4	(1.0)	0.6	(0.3)	1.3	(0.4)	1.0	(0.5)	
	New Brunswick	81.3	(1.9)	4.4	(1.0)	2.1	(0.7)	1.1	(0.4)	4.3	(0.9)	0.6	(0.3)	1.1	(0.4)	0.6	(0.4)	
	Newfoundland and Labrador	82.2	(1.5)	3.6	(0.9)	1.7	(0.6)	0.9	(0.5)	5.4	(1.1)	0.7	(0.4)	1.1	(0.6)	0.5	(0.3)	
	Nova Scotia	77.4	(1.7)	4.4	(0.9)	1.8	(0.6)	1.0	(0.5)	6.7	(1.2)	0.7	(0.4)	1.4	(0.5)	0.5	(0.3)	
	Ontario	73.4	(1.7)	6.3	(0.9)	2.8	(0.5)	1.9	(0.4)	5.3	(0.6)	0.6	(0.2)	1.6	(0.4)	0.8	(0.2)	
	Prince Edward Island	80.6	(2.9)	4.1	(1.7)	2.0	(1.0)	0.9	(0.9)	5.1	(1.6)	0.6	(0.6)	1.3	(0.8)	0.4	(0.5)	
	Quebec	66.8	(2.2)	11.9	(1.3)	4.8	(0.6)	3.2	(0.6)	3.5	(0.6)	0.2	(0.1)	0.9	(0.3)	1.8	(0.5)	
	Saskatchewan	85.0	(1.2)	3.2	(0.7)	1.4	(0.5)	0.7	(0.3)	4.3	(0.6)	0.4	(0.2)	0.8	(0.4)	0.7	(0.3)	
	Italy																	
	Bolzano	80.1	(2.0)	8.2	(1.1)	3.1	(0.7)	1.7	(0.5)	2.4	(1.1)	0.3	(0.2)	0.3	(0.2)	0.7	(0.4)	
	Campania	92.3	(1.2)	4.2	(0.9)	1.0	(0.4)	0.5	(0.3)	0.8	(0.3)	0.1	(0.1)	0.2	(0.1)	0.2	(0.1)	
	Lombardia	79.2	(2.0)	9.6	(1.3)	3.5	(0.7)	1.9	(0.5)	2.1	(0.6)	0.1	(0.1)	0.5	(0.2)	0.7	(0.3)	
	Trento	81.1	(1.3)	9.2	(1.0)	3.5	(0.8)	1.7	(0.5)	1.6	(0.6)	0.1	(0.1)	0.3	(0.2)	0.5	(0.2)	
	Portugal																	
	Região Autónoma dos Açores	90.8	(1.0)	3.8	(0.8)	1.7	(0.6)	1.3	(0.5)	0.6	(0.3)	0.1	(0.1)	0.1	(0.2)	0.2	(0.2)	
	Spain																	
Andalusia*	90.1	(1.0)	3.8	(0.6)	1.5	(0.4)	0.7	(0.3)	2.0	(0.4)	0.2	(0.1)	0.4	(0.2)	0.3	(0.2)		
Aragon*	83.9	(1.4)	6.1	(0.9)	2.9	(0.7)	1.6	(0.5)	2.2	(0.6)	0.3	(0.2)	0.4	(0.3)	0.4	(0.2)		
Asturias*	85.7	(1.5)	5.3	(0.9)	2.3	(0.6)	1.4	(0.6)	2.2	(1.1)	0.2	(0.2)	0.5	(0.3)	0.4	(0.3)		
Balearic Islands*	89.3	(1.4)	4.3	(0.9)	1.5	(0.4)	0.8	(0.3)	1.9	(0.6)	0.2	(0.1)	0.4	(0.3)	0.4	(0.3)		
Basque Country*	88.1	(1.0)	5.6	(0.6)	1.8	(0.4)	0.9	(0.2)	1.4	(0.4)	0.1	(0.1)	0.5	(0.2)	0.4	(0.2)		
Canary Islands*	90.4	(1.0)	3.8	(0.6)	1.2	(0.4)	0.5	(0.2)	2.0	(0.7)	0.2	(0.2)	0.7	(0.3)	0.1	(0.1)		
Cantabria*	86.4	(1.9)	6.2	(1.2)	2.4	(0.5)	1.3	(0.5)	1.4	(0.8)	0.1	(0.1)	0.4	(0.2)	0.3	(0.2)		
Castile and Leon*	81.0	(1.4)	6.4	(0.8)	3.0	(0.6)	1.9	(0.6)	2.6	(0.5)	0.5	(0.2)	0.8	(0.3)	0.5	(0.3)		
Castile-La Mancha*	87.0	(1.1)	5.1	(0.7)	2.0	(0.5)	1.1	(0.3)	2.0	(0.5)	0.2	(0.1)	0.5	(0.2)	0.3	(0.2)		
Catalonia*	83.2	(1.5)	6.0	(0.9)	2.4	(0.6)	1.3	(0.4)	2.9	(0.6)	0.3	(0.2)	0.4	(0.2)	0.7	(0.3)		
Comunidad Valenciana*	88.4	(1.2)	4.6	(0.7)	1.7	(0.4)	0.9	(0.3)	2.1	(0.6)	0.2	(0.2)	0.5	(0.3)	0.3	(0.2)		
Extremadura*	91.0	(0.9)	3.9	(0.7)	1.1	(0.4)	0.8	(0.2)	1.5	(0.5)	0.1	(0.1)	0.2	(0.2)	0.3	(0.2)		
Galicia*	84.4	(1.1)	6.3	(0.7)	3.1	(0.6)	1.6	(0.4)	1.8	(0.5)	0.3	(0.2)	0.5	(0.2)	0.3	(0.2)		
La Rioja*	83.5	(2.2)	7.0	(2.0)	2.9	(0.7)	1.2	(0.6)	2.0	(1.0)	0.1	(0.1)	0.4	(0.2)	0.7	(0.4)		
Madrid*	80.2	(1.4)	7.3	(1.1)	2.9	(0.5)	1.5	(0.5)	3.0	(0.7)	0.3	(0.2)	1.1	(0.4)	0.6	(0.3)		
Murcia*	90.0	(1.0)	4.0	(0.8)	1.4	(0.4)	0.8	(0.2)	1.7	(0.5)	0.2	(0.2)	0.4	(0.2)	0.2	(0.2)		
Navarre*	80.7	(2.2)	8.4	(1.7)	3.2	(0.8)	1.7	(0.5)	1.8	(0.6)	0.1	(0.1)	0.6	(0.3)	0.6	(0.3)		
United Kingdom																		
England	77.3	(1.1)	5.6	(0.5)	2.8	(0.4)	1.4	(0.3)	4.6	(0.4)	0.9	(0.2)	0.8	(0.2)	0.7	(0.2)		
Northern Ireland	86.1	(1.3)	4.0	(0.6)	2.0	(0.4)	0.9	(0.3)	2.8	(0.5)	0.4	(0.3)	0.5	(0.2)	0.4	(0.2)		
Scotland*	82.5	(0.9)	4.6	(0.5)	2.1	(0.4)	1.0	(0.3)	4.4	(0.5)	0.5	(0.2)	0.7	(0.3)	0.7	(0.3)		
Wales	90.1	(0.8)	3.2	(0.5)	1.2	(0.3)	0.6	(0.2)	2.1	(0.4)	0.4	(0.2)	0.3	(0.2)	0.3	(0.2)		
United States																		
Massachusetts*	73.3	(2.3)	4.1	(0.8)	1.9	(0.5)	0.9	(0.3)	6.8	(0.8)	1.3	(0.5)	1.6	(0.5)	0.5	(0.3)		
North Carolina*	80.6	(1.7)	3.4	(0.6)	1.5	(0.4)	0.7	(0.3)	5.7	(0.9)	1.1	(0.4)	1.6	(0.4)	0.2	(0.2)		
Partners	Colombia																	
	Bogotá	95.8	(0.9)	1.7	(0.6)	0.4	(0.2)	0.2	(0.2)	1.1	(0.6)	0.1	(0.1)	0.2	(0.2)	0.1	(0.1)	
	Cali	98.6	(0.4)	0.6	(0.3)	0.1	(0.2)	0.1	(0.1)	0.4	(0.2)	0.0	(0.0)	0.1	(0.1)	0.0	(0.1)	
	Manizales	98.0	(0.7)	0.9	(0.4)	0.3	(0.2)	0.1	(0.1)	0.4	(0.3)	0.0	(0.1)	0.1	(0.1)	0.0	(0.0)	
	Medellín	97.3	(0.6)	1.4	(0.4)	0.2	(0.2)	0.1	(0.1)	0.5	(0.2)	0.0	(0.0)	0.1	(0.1)	0.0	(0.0)	
	United Arab Emirates																	
	Abu Dhabi*	95.8	(0.6)	2.1	(0.4)	0.8	(0.2)	0.5	(0.2)	0.3	(0.1)	0.0	(0.0)	0.1	(0.1)	0.1	(0.1)	
	Ajman	98.7	(0.5)	0.6	(0.4)	0.2	(0.2)	0.0	(0.0)	0.3	(0.4)	0.0	c	0.1	(0.1)	0.0	(0.1)	
	Dubai*	86.5	(0.6)	5.3	(0.5)	2.2	(0.3)	1.3	(0.3)	1.3	(0.3)	0.3	(0.1)	0.3	(0.1)	0.3	(0.2)	
	Fujairah	97.7	(0.9)	1.2	(0.6)	0.3	(0.3)	0.1	(0.2)	0.1	(0.1)	0.0	(0.0)	0.1	(0.1)	0.0	(0.0)	
	Ras Al Khaimah	98.4	(1.0)	0.8	(0.4)	0.2	(0.2)	0.1	(0.1)	0.2	(0.2)	0.0	(0.1)	0.0	(0.1)	0.1	(0.2)	
	Sharjah	95.4	(1.4)	2.7	(0.9)	0.8	(0.5)	0.4	(0.4)	0.3	(0.3)	0.1	(0.1)	0.1	(0.1)	0.0	(0.1)	
	Umm Al Quwain	99.2	(0.6)	0.6	(0.5)	0.1	(0.2)	0.1	(0.2)	0.0	(0.2)	0.0	(0.1)	0.0	(0.1)	0.0	c	

* PISA for adjudicated region.

1. Top performers in collaborative problem solving are students who score at Level 4. Top performers in science, reading or mathematics score at Level 5 or 6 in the subject.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

See Table V.3.3a for national data.

StatLink  <http://dx.doi.org/10.1787/888933616750>

[Part 2/2]

Table B2.V.3 Top performers in four PISA subjects

		Percentage of 15-year-old students who are:								Percentage of top performers in collaborative problem solving among top performers in...							
		Top performers ¹ in collaborative problem solving, science and reading		Top performers in collaborative problem solving, science and mathematics		Top performers in collaborative problem solving, reading and mathematics		Top performers in all four subjects		Science		Reading		Mathematics		Science, reading and mathematics	
OECD	Belgium	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.
	Flemish community*	0.4	(0.1)	1.1	(0.2)	0.7	(0.2)	3.2	(0.4)	40.9	(3.7)	38.7	(3.4)	29.5	(2.7)	50.1	(4.4)
	French community	0.1	(0.1)	0.4	(0.1)	0.3	(0.1)	1.0	(0.2)	30.5	(3.9)	28.3	(3.9)	22.8	(2.8)	41.5	(6.5)
	German-speaking community	0.1	(0.2)	0.2	(0.3)	0.1	(0.2)	0.7	(0.5)	c	c	c	c	13.6	(7.2)	c	
	Canada																
	Alberta	2.1	(0.5)	1.4	(0.5)	0.5	(0.3)	4.9	(0.7)	59.3	(5.5)	58.2	(5.4)	56.8	(5.0)	72.2	(6.9)
	British Columbia	1.6	(0.5)	1.6	(0.5)	0.7	(0.3)	5.8	(0.9)	68.0	(4.6)	65.4	(4.7)	59.4	(4.5)	79.4	(5.1)
	Manitoba	0.8	(0.3)	1.0	(0.5)	0.4	(0.2)	2.4	(0.6)	67.9	(6.2)	65.1	(6.6)	59.7	(7.2)	79.0	(8.3)
	New Brunswick	1.0	(0.4)	0.7	(0.4)	0.4	(0.3)	2.4	(0.6)	58.4	(6.7)	56.7	(7.4)	45.4	(8.7)	68.7	(10.8)
	Newfoundland and Labrador	0.9	(0.5)	0.7	(0.4)	0.3	(0.2)	2.2	(0.6)	57.9	(8.2)	56.7	(8.7)	56.9	(8.4)	c	c
Nova Scotia	1.4	(0.5)	0.8	(0.4)	0.3	(0.2)	3.6	(0.7)	65.7	(6.5)	62.5	(7.6)	56.9	(7.1)	77.6	(8.5)	
Ontario	1.3	(0.4)	0.7	(0.2)	0.6	(0.2)	4.6	(0.6)	59.8	(4.3)	55.1	(4.5)	51.3	(3.9)	70.4	(4.3)	
Prince Edward Island	0.9	(0.6)	0.8	(0.7)	0.3	(0.6)	2.8	(1.4)	58.0	(15.5)	60.2	(14.0)	c	c	c	c	
Quebec	0.4	(0.2)	1.2	(0.4)	0.9	(0.3)	4.4	(0.8)	48.6	(4.9)	44.7	(4.1)	33.7	(3.6)	58.2	(6.1)	
Saskatchewan	0.7	(0.3)	0.6	(0.2)	0.2	(0.2)	1.9	(0.4)	59.5	(7.7)	59.4	(8.6)	52.2	(6.9)	73.4	(9.5)	
Italy																	
Bolzano	0.3	(0.2)	1.0	(0.3)	0.3	(0.2)	1.6	(0.5)	41.1	(7.3)	36.8	(7.5)	25.8	(4.7)	49.4	(10.4)	
Campania	0.0	(0.0)	0.2	(0.2)	0.1	(0.1)	0.3	(0.2)	33.9	(14.3)	21.1	(8.2)	18.9	(6.5)	c	c	
Lombardia	0.2	(0.2)	0.6	(0.2)	0.4	(0.2)	1.2	(0.3)	32.2	(6.5)	26.0	(4.7)	19.6	(3.4)	38.1	(8.1)	
Trento	0.1	(0.1)	0.5	(0.3)	0.3	(0.2)	1.0	(0.4)	29.4	(7.9)	23.9	(6.5)	16.1	(3.8)	35.5	(11.5)	
Portugal																	
Região Autónoma dos Açores	0.1	(0.1)	0.3	(0.3)	0.1	(0.1)	0.8	(0.5)	30.6	(10.5)	27.6	(10.7)	21.4	(8.0)	38.0	(16.3)	
Spain																	
Andalusia*	0.2	(0.1)	0.2	(0.1)	0.2	(0.1)	0.6	(0.2)	34.3	(8.0)	28.8	(5.4)	26.2	(6.6)	c	c	
Aragon*	0.3	(0.2)	0.4	(0.2)	0.3	(0.2)	1.2	(0.5)	33.6	(10.4)	30.0	(6.5)	25.7	(8.0)	43.5	(13.8)	
Asturias*	0.2	(0.1)	0.4	(0.3)	0.2	(0.2)	1.2	(0.4)	34.3	(10.7)	33.1	(9.9)	27.0	(8.7)	47.4	(16.7)	
Balearic Islands*	0.3	(0.2)	0.4	(0.2)	0.2	(0.2)	0.5	(0.2)	34.2	(8.0)	29.7	(7.6)	28.8	(6.9)	c	c	
Basque Country*	0.1	(0.1)	0.2	(0.1)	0.3	(0.1)	0.6	(0.2)	31.4	(5.6)	28.2	(4.9)	20.3	(3.6)	41.3	(10.3)	
Canary Islands*	0.3	(0.2)	0.1	(0.1)	0.1	(0.1)	0.4	(0.3)	34.7	(9.3)	30.4	(8.7)	27.1	(7.7)	c	c	
Cantabria*	0.2	(0.2)	0.3	(0.2)	0.2	(0.1)	0.9	(0.3)	30.0	(8.2)	24.9	(7.7)	20.9	(6.8)	41.0	(12.8)	
Castile and Leon*	0.5	(0.3)	0.6	(0.3)	0.3	(0.2)	2.0	(0.4)	42.1	(5.5)	36.5	(5.4)	33.4	(5.5)	52.4	(9.3)	
Castile-La Mancha*	0.2	(0.2)	0.3	(0.2)	0.2	(0.1)	0.9	(0.3)	34.8	(8.0)	30.5	(7.3)	27.5	(5.7)	45.6	(11.1)	
Catalonia*	0.2	(0.1)	0.7	(0.3)	0.3	(0.2)	1.5	(0.4)	40.2	(5.5)	39.9	(8.1)	31.6	(4.5)	53.1	(12.0)	
Comunidad Valenciana*	0.3	(0.2)	0.2	(0.1)	0.2	(0.1)	0.7	(0.3)	35.0	(6.4)	31.1	(6.2)	26.1	(6.4)	45.6	(14.1)	
Extremadura*	0.1	(0.1)	0.2	(0.2)	0.2	(0.1)	0.6	(0.3)	34.2	(9.3)	30.6	(8.1)	24.3	(5.7)	c	c	
Galicia*	0.3	(0.2)	0.3	(0.2)	0.1	(0.1)	1.1	(0.3)	26.0	(5.7)	25.2	(6.2)	22.4	(5.0)	39.3	(9.5)	
La Rioja*	0.2	(0.2)	0.7	(0.5)	0.3	(0.3)	1.1	(0.5)	34.9	(11.4)	35.6	(9.7)	24.2	(8.9)	c	c	
Madrid*	0.6	(0.3)	0.5	(0.3)	0.3	(0.2)	1.7	(0.5)	41.1	(6.5)	37.7	(6.0)	31.6	(5.5)	54.0	(12.1)	
Murcia*	0.2	(0.2)	0.3	(0.2)	0.1	(0.1)	0.7	(0.3)	36.0	(7.4)	29.1	(7.1)	28.8	(6.9)	c	c	
Navarre*	0.2	(0.2)	0.5	(0.3)	0.3	(0.2)	1.7	(0.4)	38.5	(6.3)	34.4	(5.3)	24.3	(5.0)	50.2	(9.2)	
United Kingdom																	
England	1.1	(0.2)	1.1	(0.3)	0.3	(0.1)	3.3	(0.4)	55.1	(3.3)	55.9	(3.8)	48.1	(4.1)	70.0	(4.7)	
Northern Ireland	0.6	(0.2)	0.6	(0.2)	0.2	(0.1)	1.5	(0.3)	46.9	(5.3)	47.9	(6.4)	40.9	(6.1)	62.5	(9.2)	
Scotland*	0.6	(0.2)	0.7	(0.2)	0.3	(0.1)	1.9	(0.3)	49.5	(5.0)	54.8	(5.3)	41.1	(4.5)	66.0	(6.8)	
Wales	0.3	(0.2)	0.4	(0.1)	0.1	(0.1)	1.0	(0.3)	44.6	(5.3)	46.0	(7.8)	38.5	(6.0)	61.3	(11.3)	
United States																	
Massachusetts*	2.5	(0.6)	1.3	(0.5)	0.4	(0.2)	5.4	(1.1)	74.4	(3.8)	69.0	(5.1)	75.8	(4.6)	86.0	(5.1)	
North Carolina*	1.9	(0.4)	0.6	(0.2)	0.2	(0.2)	2.5	(0.5)	66.6	(5.0)	64.3	(5.0)	64.6	(7.0)	78.9	(7.4)	
Partners	Colombia																
	Bogotá	0.1	(0.1)	0.1	(0.1)	0.1	(0.1)	0.2	(0.2)	c	c	c	c	c	c	c	c
	Cali	0.0	(0.1)	0.0	(0.0)	0.0	(0.0)	0.0	(0.1)	c	c	c	c	c	c	c	c
	Manizales	0.0	(0.1)	0.0	(0.0)	0.0	(0.0)	0.1	(0.1)	c	c	c	c	c	c	c	c
	Medellín	0.1	(0.1)	0.0	(0.0)	0.0	(0.1)	0.2	(0.2)	c	c	21.7	(10.9)	c	c	c	c
	United Arab Emirates																
	Abu Dhabi*	0.0	(0.1)	0.1	(0.1)	0.0	(0.1)	0.2	(0.1)	18.8	(7.0)	18.2	(6.4)	13.5	(5.2)	c	c
	Ajman	0.0	c	0.0	c	0.0	c	0.0	(0.0)	c	c	c	c	c	c	c	c
	Dubai*	0.4	(0.2)	0.5	(0.2)	0.2	(0.1)	1.3	(0.2)	39.7	(4.3)	34.8	(4.4)	29.5	(5.2)	50.7	(7.9)
	Fujairah	0.0	(0.1)	0.0	c	0.0	(0.0)	0.3	(0.3)	c	c	c	c	c	c	c	c
Ras Al Khaimah	0.0	(0.1)	0.1	(0.1)	0.0	(0.1)	0.1	(0.2)	c	c	c	c	c	c	c	c	
Sharjah	0.0	(0.1)	0.0	(0.1)	0.1	(0.1)	0.1	(0.1)	c	c	c	c	c	c	c	c	
Umm Al Quwain	0.0	(0.1)	0.0	c	0.0	c	0.0	c	c	c	c	c	c	c	c	c	

* PISA for adjudicated region.

1. Top performers in collaborative problem solving are students who score at Level 4. Top performers in science, reading or mathematics score at Level 5 or 6 in the subject.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

See Table V.3.3a for national data.

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[Part 1/2]

Table B2.V.4 Low achievers in four PISA subjects

		Percentage of 15-year-old students who are:																
		Not low achievers in any of the four subjects		Low achievers ¹ in only one of science, reading or mathematics		Low achievers in only two of science, reading and mathematics		Low achievers in science, reading and mathematics		Low achievers in only collaborative problem solving		Low achievers in collaborative problem solving and science		Low achievers in collaborative problem solving and reading		Low achievers in collaborative problem solving and mathematics		
		%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	
OECD	Belgium																	
	Flemish community*	70.5	(1.2)	4.0	(0.4)	2.2	(0.4)	2.2	(0.3)	5.9	(0.5)	0.9	(0.2)	1.2	(0.2)	0.8	(0.2)	
	French community	57.7	(2.0)	4.2	(0.5)	2.3	(0.4)	1.9	(0.3)	10.2	(0.6)	1.2	(0.3)	1.7	(0.4)	2.1	(0.4)	
	German-speaking community	67.3	(2.5)	3.7	(1.4)	2.1	(0.9)	1.4	(0.9)	10.6	(2.3)	0.7	(0.7)	1.3	(0.8)	1.9	(1.4)	
	Canada																	
	Alberta	74.9	(1.9)	5.7	(0.9)	1.5	(0.5)	0.9	(0.3)	6.7	(1.0)	0.4	(0.2)	0.9	(0.3)	2.1	(0.6)	
	British Columbia	79.0	(1.6)	5.2	(1.0)	1.9	(0.5)	0.9	(0.4)	4.8	(0.8)	0.6	(0.3)	1.1	(0.4)	0.9	(0.4)	
	Manitoba	66.0	(2.0)	6.0	(1.0)	3.0	(0.7)	1.9	(0.5)	6.6	(1.0)	0.9	(0.4)	1.4	(0.5)	1.7	(0.5)	
	New Brunswick	66.7	(2.3)	6.2	(0.9)	2.9	(0.8)	1.9	(0.8)	7.2	(1.2)	0.7	(0.4)	1.2	(0.4)	1.9	(0.5)	
	Newfoundland and Labrador	69.1	(1.8)	5.9	(0.9)	2.5	(0.8)	1.8	(0.6)	6.1	(1.4)	0.5	(0.3)	0.7	(0.3)	1.7	(0.5)	
	Nova Scotia	72.0	(2.1)	5.6	(0.8)	2.2	(0.5)	1.2	(0.5)	6.1	(0.9)	0.6	(0.3)	1.0	(0.4)	1.8	(0.6)	
	Ontario	72.3	(1.7)	4.9	(0.8)	2.0	(0.4)	1.1	(0.2)	7.2	(0.8)	0.7	(0.2)	1.1	(0.3)	1.7	(0.4)	
	Prince Edward Island	73.7	(3.1)	4.9	(1.7)	1.9	(1.0)	1.0	(0.8)	6.7	(1.8)	0.5	(0.5)	1.0	(0.6)	1.7	(1.0)	
	Quebec	77.6	(1.8)	3.2	(0.6)	1.3	(0.3)	0.7	(0.2)	7.9	(0.9)	0.6	(0.2)	1.5	(0.4)	1.0	(0.3)	
	Saskatchewan	63.7	(1.7)	6.2	(0.9)	2.6	(0.6)	1.5	(0.5)	8.4	(1.0)	1.0	(0.4)	1.5	(0.5)	2.3	(0.5)	
	Italy																	
	Bolzano	71.0	(1.6)	4.8	(0.9)	1.9	(0.6)	1.1	(0.4)	8.8	(1.5)	1.0	(0.4)	1.6	(0.5)	1.3	(0.5)	
	Campania	37.6	(2.4)	6.5	(1.1)	3.8	(0.7)	2.2	(0.6)	12.8	(1.5)	3.0	(0.7)	2.4	(0.6)	3.4	(0.8)	
	Lombardia	63.4	(2.3)	5.5	(0.9)	2.6	(0.8)	1.7	(0.6)	10.8	(1.4)	1.2	(0.4)	1.4	(0.4)	2.1	(0.5)	
	Trento	70.0	(1.3)	3.7	(0.7)	1.4	(0.3)	1.0	(0.3)	11.1	(1.0)	1.2	(0.4)	1.2	(0.3)	1.5	(0.4)	
	Portugal																	
	Região Autónoma dos Açores	49.8	(1.4)	6.1	(0.9)	3.0	(0.6)	2.3	(0.5)	8.8	(1.1)	1.1	(0.4)	1.6	(0.5)	3.3	(0.8)	
	Spain																	
	Andalusia*	54.7	(2.0)	6.9	(0.9)	3.7	(0.7)	2.6	(0.6)	7.9	(1.0)	1.3	(0.4)	1.3	(0.3)	2.5	(0.6)	
	Aragon*	67.0	(2.4)	4.2	(0.8)	1.9	(0.5)	1.0	(0.5)	10.3	(1.6)	0.8	(0.3)	1.4	(0.4)	1.8	(0.6)	
Asturias*	64.6	(2.5)	4.9	(1.0)	2.3	(0.6)	1.3	(0.6)	9.1	(2.1)	0.9	(0.3)	1.6	(0.4)	2.3	(0.7)		
Balearic Islands*	59.1	(2.1)	6.5	(1.1)	3.0	(0.7)	1.7	(0.4)	8.8	(1.2)	1.0	(0.3)	1.6	(0.7)	2.5	(0.8)		
Basque Country*	60.0	(1.8)	4.7	(0.5)	2.4	(0.5)	1.3	(0.3)	11.5	(1.4)	1.8	(0.3)	1.8	(0.3)	1.8	(0.4)		
Canary Islands*	52.9	(1.9)	8.7	(1.2)	4.1	(0.7)	2.4	(0.6)	7.0	(1.0)	0.8	(0.3)	1.1	(0.4)	3.9	(0.7)		
Cantabria*	61.3	(2.8)	4.1	(0.9)	1.9	(0.5)	1.1	(0.4)	12.8	(2.0)	1.3	(0.5)	1.5	(0.4)	2.4	(0.9)		
Castile and Leon*	73.6	(1.7)	4.7	(0.8)	1.8	(0.4)	0.8	(0.3)	8.0	(1.1)	0.6	(0.3)	0.9	(0.4)	1.9	(0.5)		
Castile-La Mancha*	64.2	(1.6)	6.1	(0.9)	2.7	(0.6)	1.5	(0.5)	8.7	(1.1)	0.9	(0.3)	1.4	(0.4)	2.2	(0.6)		
Catalonia*	66.8	(2.2)	5.1	(0.8)	2.2	(0.5)	1.4	(0.4)	8.7	(1.0)	0.9	(0.3)	1.6	(0.4)	1.4	(0.4)		
Comunidad Valenciana*	63.0	(1.8)	5.5	(0.8)	2.4	(0.6)	1.2	(0.4)	10.6	(1.0)	1.1	(0.4)	1.4	(0.5)	2.6	(0.6)		
Extremadura*	54.3	(1.9)	5.3	(0.8)	2.7	(0.6)	1.6	(0.4)	10.0	(1.3)	1.4	(0.4)	2.3	(0.6)	2.7	(0.6)		
Galicia*	65.8	(2.1)	4.3	(0.7)	1.4	(0.4)	0.8	(0.4)	11.3	(1.5)	0.7	(0.3)	1.5	(0.5)	2.6	(0.6)		
La Rioja*	64.6	(2.1)	4.3	(1.1)	1.8	(0.6)	1.2	(0.5)	10.2	(2.9)	1.1	(0.6)	2.2	(0.7)	1.2	(0.7)		
Madrid*	72.6	(1.7)	5.1	(0.9)	2.1	(0.5)	1.2	(0.3)	6.6	(1.0)	0.7	(0.3)	0.9	(0.4)	1.8	(0.5)		
Murcia*	57.6	(2.1)	6.9	(1.3)	2.8	(0.5)	2.2	(0.6)	8.8	(1.4)	1.0	(0.4)	1.3	(0.4)	2.8	(0.8)		
Navarre*	70.7	(2.0)	4.0	(0.7)	1.8	(0.5)	0.8	(0.3)	10.5	(2.1)	1.1	(0.3)	1.7	(0.7)	1.2	(0.4)		
United Kingdom																		
England	65.2	(1.2)	7.2	(0.6)	3.4	(0.4)	2.2	(0.3)	5.8	(0.7)	0.6	(0.2)	1.5	(0.3)	1.8	(0.3)		
Northern Ireland	69.6	(1.5)	4.8	(0.8)	2.6	(0.4)	2.0	(0.5)	5.5	(1.0)	1.0	(0.3)	1.0	(0.3)	1.2	(0.3)		
Scotland*	65.0	(1.1)	6.2	(0.6)	3.2	(0.5)	1.8	(0.3)	6.4	(0.6)	0.9	(0.3)	1.7	(0.3)	1.3	(0.3)		
Wales	61.3	(1.4)	6.2	(0.7)	3.3	(0.4)	2.4	(0.5)	7.2	(0.9)	1.2	(0.3)	1.6	(0.4)	1.6	(0.3)		
United States																		
Massachusetts*	75.8	(2.4)	5.4	(0.9)	2.1	(0.6)	1.3	(0.4)	3.9	(0.6)	0.4	(0.2)	0.6	(0.3)	1.4	(0.4)		
North Carolina*	63.8	(2.3)	8.7	(1.0)	3.3	(0.6)	2.2	(0.5)	3.8	(0.7)	0.3	(0.2)	0.8	(0.3)	2.6	(0.7)		
Partners	Colombia																	
	Bogotá	44.7	(2.5)	13.4	(1.6)	4.5	(0.6)	3.0	(0.7)	4.6	(0.8)	0.3	(0.2)	0.4	(0.3)	6.2	(0.8)	
	Cali	28.6	(2.6)	11.0	(1.3)	4.7	(0.9)	4.4	(0.8)	4.0	(0.6)	0.4	(0.2)	0.3	(0.2)	6.4	(0.8)	
	Manizales	35.4	(2.4)	11.8	(1.1)	4.3	(0.8)	3.7	(0.7)	5.3	(0.9)	0.4	(0.2)	0.3	(0.2)	6.1	(0.9)	
	Medellín	35.8	(2.4)	11.0	(1.4)	4.7	(0.8)	3.9	(0.7)	4.5	(0.9)	0.4	(0.2)	0.2	(0.2)	5.9	(0.8)	
	United Arab Emirates																	
	Abu Dhabi*	29.1	(1.9)	6.1	(0.7)	2.8	(0.6)	2.1	(0.4)	8.0	(0.8)	1.2	(0.3)	2.0	(0.4)	4.6	(0.6)	
	Ajman	21.4	(1.9)	7.6	(1.2)	4.2	(1.1)	3.1	(0.9)	5.8	(1.3)	0.9	(0.5)	1.9	(0.8)	5.2	(1.2)	
	Dubai*	54.3	(0.7)	5.9	(0.6)	2.3	(0.4)	1.4	(0.3)	7.4	(0.7)	0.9	(0.2)	1.9	(0.3)	2.9	(0.4)	
	Fujairah	20.7	(2.8)	5.7	(1.3)	2.5	(0.7)	1.9	(0.7)	7.0	(1.3)	1.3	(0.6)	2.2	(0.8)	4.9	(1.5)	
	Ras Al Khaimah	19.8	(3.6)	5.5	(1.2)	2.7	(0.9)	2.2	(1.0)	7.9	(1.2)	1.5	(0.7)	3.1	(1.1)	3.7	(1.1)	
	Sharjah	34.1	(4.1)	6.8	(1.6)	2.6	(0.8)	1.3	(0.5)	9.9	(1.4)	2.0	(0.7)	1.7	(0.7)	4.4	(0.9)	
	Umm Al Quwain	16.7	(2.2)	4.7	(1.4)	2.6	(1.2)	2.1	(1.6)	6.1	(1.6)	1.2	(1.0)	1.9	(1.0)	4.4	(1.3)	

* PISA for adjudicated region.

1. Low achievers in collaborative problem solving, science, reading or mathematics score below Level 2 in the subject.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

See Table V.3.3b for national data.

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[Part 2/2]

Table B2.V.4 Low achievers in four PISA subjects

		Percentage of 15-year-old students who are:						Percentage of low achievers in collaborative problem solving among low achievers in...									
		Low achievers ¹ in collaborative problem solving, science and reading		Low achievers in collaborative problem solving, science and mathematics		Low achievers in collaborative problem solving, reading and mathematics		Low achievers in all four subjects		Science		Reading		Mathematics		Science, reading and mathematics	
										%	S.E.	%	S.E.	%	S.E.	%	S.E.
OECD	Belgium																
	Flemish community*	1.7	(0.3)	1.2	(0.2)	0.6	(0.2)	8.7	(0.8)	73.3	(2.3)	71.2	(2.8)	67.1	(2.7)	79.6	(2.7)
	French community	2.0	(0.4)	2.3	(0.4)	1.3	(0.3)	13.0	(1.3)	80.1	(2.2)	79.9	(2.2)	77.8	(2.3)	87.2	(1.9)
	German-speaking community	1.1	(0.8)	1.4	(0.9)	1.2	(1.0)	7.4	(1.5)	74.6	(7.6)	77.4	(7.2)	69.3	(7.2)	84.0	(8.8)
	Canada																
	Alberta	0.6	(0.3)	1.3	(0.4)	1.0	(0.3)	4.1	(0.7)	74.4	(5.2)	71.8	(5.6)	56.2	(5.4)	82.0	(5.7)
	British Columbia	0.9	(0.4)	1.1	(0.5)	0.4	(0.3)	3.1	(0.7)	65.2	(5.6)	67.5	(8.0)	47.6	(6.4)	76.6	(8.1)
	Manitoba	1.6	(0.6)	2.0	(0.5)	1.0	(0.4)	8.0	(1.1)	71.6	(4.3)	71.9	(5.7)	61.4	(4.1)	81.0	(4.3)
	New Brunswick	1.2	(0.3)	1.7	(0.5)	1.0	(0.4)	7.4	(1.5)	70.9	(5.7)	73.1	(5.5)	57.2	(6.0)	79.9	(7.3)
	Newfoundland and Labrador	0.8	(0.4)	2.0	(0.8)	0.8	(0.5)	8.1	(1.0)	73.5	(4.5)	73.9	(5.8)	60.0	(3.9)	82.1	(5.8)
	Nova Scotia	0.9	(0.4)	1.9	(0.7)	0.8	(0.4)	5.9	(1.1)	72.6	(4.4)	75.8	(4.8)	58.5	(3.6)	82.6	(5.7)
	Ontario	1.0	(0.3)	1.9	(0.4)	0.6	(0.2)	5.4	(0.7)	74.0	(3.7)	74.0	(3.1)	61.9	(3.7)	83.4	(3.2)
	Prince Edward Island	1.0	(0.7)	1.4	(0.9)	1.1	(0.8)	5.1	(1.3)	70.9	(9.3)	77.7	(9.3)	60.6	(7.9)	83.9	(11.1)
	Quebec	1.2	(0.4)	0.9	(0.3)	0.5	(0.3)	3.6	(0.6)	74.0	(3.7)	71.1	(4.0)	67.0	(5.0)	83.7	(4.6)
	Saskatchewan	1.2	(0.5)	2.4	(0.6)	1.2	(0.5)	7.9	(1.0)	75.0	(3.2)	76.1	(4.4)	63.2	(3.9)	83.8	(5.0)
	Italy																
	Bolzano	1.6	(0.6)	1.2	(0.5)	0.7	(0.3)	4.8	(0.6)	74.6	(5.9)	65.9	(6.5)	66.3	(6.4)	82.4	(6.4)
	Campania	3.8	(0.7)	5.2	(0.9)	1.5	(0.5)	17.7	(2.0)	81.6	(3.1)	81.4	(3.0)	77.0	(3.8)	88.9	(3.1)
	Lombardia	1.5	(0.5)	2.4	(0.7)	0.8	(0.3)	6.8	(1.1)	72.4	(4.8)	69.1	(5.9)	64.4	(5.0)	80.0	(6.0)
	Trento	1.3	(0.3)	1.7	(0.5)	0.5	(0.2)	5.5	(0.6)	77.9	(3.5)	75.6	(5.1)	70.6	(4.2)	84.8	(4.7)
Portugal																	
Região Autónoma dos Açores	1.3	(0.4)	3.9	(0.7)	2.3	(0.6)	16.5	(1.3)	82.4	(2.5)	82.1	(2.7)	73.5	(2.9)	87.9	(3.0)	
Spain																	
Andalusia*	1.7	(0.6)	3.2	(0.7)	1.6	(0.5)	12.5	(1.1)	73.9	(2.9)	76.9	(3.4)	65.6	(2.5)	82.8	(3.5)	
Aragon*	1.5	(0.6)	1.7	(0.6)	1.1	(0.4)	7.3	(1.0)	79.7	(3.3)	79.6	(5.1)	69.3	(5.0)	87.7	(4.9)	
Asturias*	1.4	(0.5)	2.0	(0.5)	1.1	(0.3)	8.7	(1.1)	79.4	(5.0)	78.5	(6.8)	68.6	(4.9)	86.9	(5.1)	
Balearic Islands*	1.5	(0.6)	2.6	(0.9)	1.4	(0.5)	10.3	(1.1)	75.6	(3.4)	77.4	(4.2)	67.1	(3.3)	85.8	(3.3)	
Basque Country*	2.5	(0.5)	2.4	(0.4)	0.8	(0.3)	9.0	(0.9)	77.8	(3.0)	80.9	(2.4)	71.7	(3.3)	87.7	(2.6)	
Canary Islands*	0.8	(0.3)	3.9	(0.7)	1.8	(0.5)	12.8	(1.1)	76.2	(3.6)	78.0	(3.2)	62.2	(3.3)	84.4	(3.6)	
Cantabria*	1.7	(0.7)	2.7	(0.8)	0.9	(0.4)	8.2	(1.1)	80.8	(3.5)	83.0	(3.7)	73.7	(5.4)	88.4	(3.3)	
Castile and Leon*	0.7	(0.2)	1.8	(0.5)	0.7	(0.2)	4.5	(0.7)	74.3	(5.1)	75.1	(4.5)	61.1	(4.4)	85.2	(5.0)	
Castile-La Mancha*	1.1	(0.5)	2.5	(0.5)	1.3	(0.4)	7.4	(0.9)	73.7	(4.1)	74.8	(4.2)	62.7	(4.0)	83.3	(4.9)	
Catalonia*	1.4	(0.4)	2.1	(0.5)	0.9	(0.4)	7.5	(1.2)	75.6	(3.1)	74.5	(3.7)	67.0	(4.0)	84.4	(3.3)	
Comunidad Valenciana*	1.4	(0.4)	2.4	(0.5)	1.2	(0.4)	7.1	(0.9)	76.2	(4.4)	77.3	(4.3)	65.2	(3.7)	85.2	(4.2)	
Extremadura*	2.2	(0.6)	2.9	(0.7)	1.4	(0.4)	13.1	(1.3)	80.6	(3.2)	82.6	(3.1)	74.2	(3.2)	89.0	(2.8)	
Galicia*	0.9	(0.3)	2.1	(0.6)	1.1	(0.4)	7.6	(0.9)	84.1	(3.2)	83.5	(4.2)	72.1	(3.5)	90.3	(3.8)	
La Rioja*	2.4	(1.0)	1.3	(0.7)	0.8	(0.4)	8.9	(1.3)	80.4	(5.5)	79.4	(6.2)	74.4	(7.0)	88.3	(5.1)	
Madrid*	0.8	(0.3)	1.8	(0.5)	0.8	(0.3)	5.4	(0.8)	72.3	(4.1)	73.8	(3.8)	59.9	(4.3)	82.4	(4.0)	
Murcia*	1.1	(0.4)	3.0	(0.7)	1.4	(0.5)	11.1	(1.0)	76.9	(3.7)	76.8	(4.2)	65.4	(4.2)	83.5	(4.2)	
Navarre*	1.6	(0.6)	1.3	(0.5)	0.5	(0.3)	4.8	(0.7)	73.5	(4.2)	76.3	(4.7)	65.0	(4.9)	85.4	(4.7)	
United Kingdom																	
England	1.4	(0.3)	2.1	(0.4)	1.3	(0.3)	7.7	(0.7)	69.5	(2.2)	66.2	(2.4)	58.2	(2.7)	78.1	(2.8)	
Northern Ireland	1.5	(0.4)	2.2	(0.7)	0.8	(0.3)	8.0	(0.8)	70.9	(3.0)	73.0	(3.9)	65.1	(4.2)	80.0	(4.0)	
Scotland*	2.1	(0.3)	1.9	(0.3)	0.8	(0.2)	8.8	(0.8)	70.2	(2.5)	74.4	(2.6)	62.5	(2.8)	82.7	(2.9)	
Wales	1.9	(0.6)	2.0	(0.4)	0.9	(0.2)	10.6	(0.8)	72.7	(2.3)	72.3	(3.5)	64.7	(3.3)	81.7	(3.6)	
United States																	
Massachusetts*	0.5	(0.3)	1.8	(0.5)	0.8	(0.3)	6.2	(0.9)	73.8	(4.1)	71.8	(3.4)	59.0	(3.0)	83.0	(4.0)	
North Carolina*	0.7	(0.3)	2.2	(0.5)	1.4	(0.4)	10.2	(1.2)	74.6	(3.2)	73.3	(3.5)	56.9	(3.0)	82.6	(3.4)	
Partners	Colombia																
	Bogotá	0.2	(0.2)	5.9	(0.8)	1.4	(0.4)	15.4	(1.4)	77.6	(2.9)	77.0	(3.4)	59.3	(3.0)	83.9	(3.4)
	Cali	0.2	(0.2)	7.6	(1.1)	1.5	(0.6)	31.0	(2.1)	83.4	(2.0)	83.6	(2.3)	70.9	(2.3)	87.7	(2.1)
	Manizales	0.3	(0.3)	7.3	(1.4)	1.3	(0.6)	23.9	(2.0)	82.0	(2.2)	82.6	(2.8)	66.9	(2.6)	86.7	(2.3)
	Medellín	0.3	(0.2)	7.2	(0.9)	1.2	(0.4)	24.9	(2.0)	81.0	(2.2)	82.6	(2.4)	67.7	(2.8)	86.5	(2.2)
	United Arab Emirates																
	Abu Dhabi*	2.5	(0.5)	4.7	(0.7)	2.7	(0.5)	34.2	(1.9)	90.3	(1.3)	90.4	(1.5)	83.5	(1.8)	94.2	(1.0)
	Ajman	1.9	(0.8)	6.0	(1.2)	2.8	(0.7)	39.2	(2.4)	87.2	(2.4)	89.0	(2.6)	81.0	(2.4)	92.8	(2.1)
	Dubai*	1.8	(0.3)	2.6	(0.3)	1.8	(0.3)	16.8	(0.5)	86.3	(1.4)	86.4	(2.0)	76.0	(2.1)	92.3	(1.7)
	Fujairah	2.4	(0.9)	5.5	(1.2)	3.1	(1.2)	42.7	(2.7)	93.0	(1.8)	92.2	(1.8)	87.3	(2.7)	95.8	(1.6)
	Ras Al Khaimah	4.7	(1.7)	4.5	(1.5)	2.6	(0.9)	41.9	(3.8)	91.9	(2.2)	90.9	(2.2)	87.4	(2.4)	95.0	(2.1)
	Sharjah	2.9	(1.0)	5.0	(1.0)	2.1	(0.6)	27.4	(3.5)	90.0	(2.7)	90.7	(2.9)	82.7	(4.0)	95.6	(1.8)
	Umm Al Quwain	3.3	(1.5)	5.8	(2.0)	2.3	(1.1)	48.8	(3.2)	92.7	(3.2)	92.7	(3.0)	89.5	(3.0)	95.8	(3.1)

* PISA for adjudicated region.

1. Low achievers in collaborative problem solving, science, reading or mathematics score below Level 2 in the subject.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

See Table V.3.3b for national data.

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[Part 1/3]

Table B2.V.5 Relative performance in collaborative problem solving

Based on residual scores after accounting for performance in the core PISA subjects in regressions involving all OECD and partner countries/economies

		Relative performance in collaborative problem solving based on performance in...															
		Science				Reading				Mathematics				Science, reading and mathematics			
		Average relative score ¹		Percentage of students who score higher than expected ^{2, 3}		Average relative score		Percentage of students who score higher than expected		Average relative score		Percentage of students who score higher than expected		Average relative score		Percentage of students who score higher than expected	
		Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.
OECD	Belgium																
	Flemish community*	4	(2.0)	53.0	(1.2)	8	(1.8)	54.7	(1.1)	0	(2.3)	49.9	(1.2)	3	(1.8)	51.9	(1.2)
	French community	-11	(2.1)	43.4	(1.5)	-11	(2.2)	43.4	(1.6)	-16	(2.4)	40.6	(1.4)	-12	(2.0)	42.2	(1.4)
	German-speaking community	-14	(7.8)	41.3	(6.4)	-11	(6.9)	41.4	(4.8)	-12	(7.0)	42.5	(5.7)	-14	(7.3)	39.7	(5.7)
	Canada																
	Alberta	8	(4.6)	54.8	(2.9)	14	(5.8)	58.4	(3.2)	31	(5.7)	65.6	(3.3)	9	(4.9)	55.8	(3.2)
	British Columbia	28	(4.3)	66.6	(2.4)	31	(5.4)	67.2	(2.9)	42	(5.2)	70.5	(2.6)	27	(4.3)	66.4	(2.5)
	Manitoba	17	(4.6)	60.2	(2.7)	17	(4.1)	60.0	(2.4)	24	(4.2)	62.4	(2.4)	17	(4.0)	60.1	(2.7)
	New Brunswick	10	(3.5)	56.7	(2.9)	10	(3.8)	56.6	(3.1)	20	(4.9)	61.2	(3.2)	10	(3.5)	56.5	(3.0)
	Newfoundland and Labrador	15	(4.2)	59.0	(3.0)	15	(4.4)	59.3	(3.0)	29	(4.6)	66.4	(2.8)	14	(4.3)	59.1	(3.1)
	Nova Scotia	17	(2.9)	60.6	(2.2)	17	(3.1)	60.3	(1.9)	32	(3.5)	66.0	(2.1)	16	(2.7)	60.2	(2.2)
	Ontario	11	(3.1)	56.7	(1.9)	8	(3.3)	54.9	(2.0)	22	(3.3)	61.1	(1.7)	8	(3.0)	55.4	(2.0)
	Prince Edward Island	15	(4.4)	60.5	(3.3)	15	(4.6)	58.1	(3.5)	27	(5.9)	65.1	(4.1)	14	(4.3)	59.7	(3.3)
	Quebec	2	(2.9)	51.2	(2.2)	6	(3.0)	53.9	(2.4)	-2	(3.4)	49.1	(2.0)	0	(2.7)	50.1	(2.1)
	Saskatchewan	10	(2.9)	56.3	(1.9)	8	(3.1)	55.5	(2.1)	17	(3.1)	59.6	(2.2)	9	(2.8)	56.0	(2.0)
	Italy																
	Bolzano	-2	(8.1)	48.7	(5.2)	7	(8.9)	55.0	(5.4)	-4	(8.6)	47.7	(5.4)	-1	(7.7)	49.6	(5.1)
	Campania	-15	(4.6)	41.2	(3.0)	-26	(5.1)	35.4	(2.8)	-27	(5.2)	35.9	(2.8)	-18	(4.5)	39.0	(2.9)
	Lombardia	-6	(4.7)	46.2	(3.0)	-9	(5.4)	44.9	(3.2)	-11	(5.7)	43.9	(3.3)	-9	(4.8)	44.2	(3.2)
	Trento	-11	(2.2)	42.9	(1.6)	-12	(3.1)	42.1	(2.3)	-15	(2.5)	40.3	(2.1)	-14	(2.4)	40.6	(1.7)
Portugal																	
Região Autónoma dos Açores	-11	(2.3)	42.7	(1.8)	-13	(3.0)	41.1	(2.3)	-8	(2.2)	45.0	(1.9)	-11	(2.3)	42.0	(2.1)	
Spain																	
Andalusia*	2	(3.0)	52.3	(2.3)	-4	(2.9)	47.9	(2.0)	5	(3.3)	53.7	(2.4)	0	(2.9)	50.8	(2.6)	
Aragon*	-9	(5.2)	44.5	(3.3)	-9	(5.3)	44.5	(3.7)	-4	(7.1)	47.8	(4.2)	-10	(4.8)	43.8	(3.4)	
Asturias*	-7	(11.1)	45.3	(7.0)	-5	(12.7)	46.5	(7.7)	-1	(10.7)	49.7	(6.3)	-7	(11.4)	44.9	(7.2)	
Balearic Islands*	-1	(5.7)	49.3	(3.7)	-3	(6.2)	48.2	(4.3)	3	(6.0)	52.1	(3.5)	-2	(4.7)	49.1	(3.2)	
Basque Country*	-4	(4.5)	47.4	(2.8)	-13	(3.6)	41.9	(2.3)	-13	(4.8)	42.9	(2.6)	-9	(3.9)	44.4	(2.6)	
Canary Islands*	2	(4.2)	51.7	(2.7)	-6	(5.7)	46.7	(3.8)	17	(4.5)	60.1	(2.5)	1	(4.5)	50.8	(3.1)	
Cantabria*	-14	(7.4)	41.1	(5.0)	-19	(8.8)	37.9	(5.8)	-15	(10.0)	41.8	(5.9)	-17	(7.9)	38.6	(5.3)	
Castile and Leon*	-1	(3.1)	49.8	(2.6)	-3	(4.1)	48.7	(3.2)	9	(3.9)	55.7	(2.7)	-3	(3.3)	48.2	(2.7)	
Castile-La Mancha*	-3	(3.6)	48.6	(2.4)	-5	(3.5)	47.2	(2.6)	4	(4.2)	52.9	(2.8)	-4	(3.1)	47.6	(2.3)	
Catalonia*	0	(2.6)	50.5	(1.9)	2	(3.9)	52.1	(2.5)	2	(4.2)	51.8	(3.0)	0	(3.1)	50.3	(2.2)	
Comunidad Valenciana*	-5	(3.0)	47.2	(2.0)	-10	(3.9)	43.9	(2.5)	0	(3.5)	50.8	(2.4)	-7	(3.2)	45.5	(2.3)	
Extremadura*	-7	(4.1)	45.5	(3.2)	-10	(3.9)	43.2	(2.9)	-9	(4.6)	44.8	(2.8)	-8	(3.8)	44.5	(3.1)	
Galicia*	-18	(5.1)	39.2	(3.3)	-16	(6.4)	39.7	(4.0)	-5	(5.8)	47.7	(3.8)	-18	(5.4)	38.6	(3.8)	
La Rioja*	-5	(10.1)	46.6	(6.1)	-1	(13.0)	49.8	(8.4)	-12	(13.2)	44.0	(7.2)	-6	(10.7)	46.4	(6.7)	
Madrid*	4	(3.3)	53.5	(2.1)	0	(4.1)	50.5	(2.9)	13	(3.5)	58.2	(2.2)	1	(3.3)	51.4	(2.6)	
Murcia*	-3	(5.1)	49.3	(4.0)	-6	(5.6)	46.3	(3.7)	5	(6.1)	53.9	(3.8)	-4	(4.8)	48.7	(3.5)	
Navarre*	-6	(6.0)	46.8	(4.2)	-9	(6.1)	45.0	(4.0)	-11	(10.3)	44.1	(5.6)	-10	(6.0)	44.3	(4.1)	
United Kingdom																	
England	10	(2.2)	55.8	(1.6)	19	(2.8)	60.5	(1.8)	23	(2.6)	62.4	(1.6)	12	(2.3)	57.8	(1.6)	
Northern Ireland	12	(2.6)	59.4	(2.3)	13	(4.5)	60.0	(3.3)	16	(5.2)	61.1	(3.5)	12	(3.2)	59.2	(2.8)	
Scotland*	14	(1.9)	58.3	(1.5)	15	(1.8)	59.8	(1.5)	17	(2.0)	58.8	(1.2)	14	(1.8)	58.7	(1.6)	
Wales	7	(2.8)	55.0	(2.0)	10	(2.9)	57.5	(2.2)	9	(4.3)	56.6	(3.1)	8	(2.7)	56.2	(2.1)	
United States																	
Massachusetts*	23	(2.3)	65.5	(1.8)	25	(3.3)	65.4	(2.0)	46	(3.3)	74.8	(1.9)	23	(2.5)	65.9	(2.0)	
North Carolina*	21	(2.6)	64.3	(1.8)	22	(3.0)	64.1	(2.1)	43	(3.1)	73.6	(1.7)	22	(2.5)	65.7	(1.8)	
Partners	Colombia																
	Bogotá	6	(2.8)	55.0	(2.2)	-6	(2.8)	45.4	(2.2)	26	(3.5)	68.6	(2.5)	5	(2.6)	54.0	(2.4)
	Cali	2	(2.1)	51.5	(2.0)	-11	(2.6)	41.4	(2.4)	16	(2.1)	61.7	(2.0)	2	(2.0)	51.5	(2.1)
	Manizales	2	(1.8)	52.3	(2.1)	-13	(2.0)	40.3	(1.8)	17	(2.3)	62.5	(2.0)	1	(1.7)	50.9	(2.2)
	Medellín	4	(2.7)	53.5	(2.2)	-13	(3.7)	40.3	(3.0)	18	(3.6)	63.3	(2.7)	2	(2.0)	51.0	(2.6)
	United Arab Emirates																
	Abu Dhabi*	-19	(2.6)	36.2	(1.9)	-20	(3.1)	36.2	(2.3)	-17	(3.1)	39.0	(2.0)	-16	(2.7)	38.0	(2.2)
	Ajman	-11	(5.7)	41.7	(4.1)	-16	(6.1)	39.5	(4.2)	-7	(6.5)	44.5	(4.4)	-8	(5.6)	43.7	(4.3)
	Dubai*	-9	(2.0)	43.8	(1.6)	-7	(2.7)	44.8	(2.1)	-2	(2.8)	48.8	(1.8)	-8	(2.3)	44.3	(1.9)
	Fujairah	-21	(5.2)	34.2	(3.5)	-23	(4.7)	33.8	(3.8)	-22	(5.3)	35.1	(4.0)	-17	(4.6)	33.8	(3.5)
	Ras Al Khaimah	-22	(5.7)	35.1	(3.9)	-20	(6.7)	36.3	(4.8)	-31	(8.1)	31.4	(4.4)	-18	(5.7)	37.2	(4.4)
	Sharjah	-18	(5.8)	36.5	(4.0)	-24	(5.3)	33.1	(3.7)	-21	(6.9)	36.5	(4.8)	-18	(5.3)	36.4	(3.8)
	Umm Al Quwain	-17	(5.7)	35.7	(5.0)	-22	(4.5)	33.6	(3.8)	-24	(7.6)	33.5	(5.2)	-14	(5.1)	37.9	(4.2)

* PISA for adjudicated region.

1. Relative scores are the residuals obtained from a pooled linear regression, across all participating countries/economies, of the performance in collaborative problem solving over performance in science, reading and/or mathematics.

2. Students who score higher than expected are those with positive relative scores.

3. The percentage of students who score higher than expected is bolded when it differs significantly from 50%.

4. Top performers in science, reading or mathematics are those who attain Level 5 or above in those subjects.

5. Low achievers in science, reading or mathematics are those who attain below Level 2 in those subjects.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

Students in PISA 2015 completed four clusters of test material: two in science and two distributed among reading, mathematics and collaborative problem solving. Hence, no student completed all four of science, reading, mathematics and collaborative problem solving. Scores were imputed in the domains in which students were not tested.

Values that are statistically significant are indicated in bold (see Annex A3).

See Table V.3.9a for national data.

StatLink  <http://dx.doi.org/10.1787/888933616750>

[Part 2/3]

Table B2.V.5 Relative performance in collaborative problem solving

Based on residual scores after accounting for performance in the core PISA subjects in regressions involving all OECD and partner countries/economies

		Relative performance in collaborative problem solving based on performance among top performers ⁴ in...											
		Science				Reading				Mathematics			
		Average relative score ¹		Percentage of students who score higher than expected ^{2, 3}		Average relative score		Percentage of students who score higher than expected		Average relative score		Percentage of students who score higher than expected	
		Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.
OECD	Belgium												
	Flemish community*	-12	(4.1)	41.1	(3.4)	-2	(4.2)	48.0	(3.5)	-11	(4.1)	43.5	(2.9)
	Flemish community*	-23	(5.4)	36.6	(4.6)	-17	(6.9)	39.8	(4.8)	-15	(5.0)	41.3	(3.9)
	German-speaking community	-42	(20.8)	23.1	(13.1)	-28	(15.6)	26.4	(13.4)	-27	(15.7)	31.0	(11.6)
	Canada												
	Alberta	13	(7.5)	57.8	(4.8)	24	(9.5)	64.7	(6.1)	39	(8.0)	70.6	(5.3)
	British Columbia	30	(6.0)	67.4	(4.1)	39	(6.4)	71.7	(4.3)	43	(8.1)	71.7	(4.6)
	Manitoba	30	(9.3)	70.8	(8.0)	35	(8.1)	72.8	(5.9)	48	(11.2)	77.1	(6.9)
	New Brunswick	19	(9.4)	61.5	(7.9)	30	(8.9)	67.4	(6.4)	27	(12.7)	65.4	(7.6)
	Newfoundland and Labrador	21	(10.4)	63.3	(7.2)	33	(10.4)	71.2	(8.0)	46	(10.5)	76.1	(6.9)
	Nova Scotia	29	(9.9)	67.2	(6.9)	36	(11.5)	71.2	(6.8)	45	(12.3)	72.7	(7.1)
	Ontario	16	(6.7)	59.2	(4.8)	20	(6.4)	61.3	(3.9)	31	(6.1)	66.4	(3.4)
	Prince Edward Island	20	(21.3)	62.2	(17.3)	35	(17.0)	68.4	(12.3)	42	(22.7)	72.8	(13.9)
	Quebec	-1	(6.0)	49.3	(4.9)	2	(5.7)	51.3	(4.4)	-6	(5.9)	46.7	(3.7)
	Saskatchewan	19	(10.9)	62.6	(9.4)	33	(9.2)	70.7	(7.2)	35	(10.0)	70.9	(7.7)
	Italy												
	Bolzano	-5	(7.7)	46.3	(6.4)	1	(11.5)	50.1	(8.9)	-10	(6.7)	44.1	(4.9)
	Campania	-16	(16.7)	40.5	(15.8)	-39	(16.4)	29.5	(9.6)	-32	(12.9)	34.5	(8.1)
Lombardia	-22	(10.4)	36.0	(7.9)	-29	(9.6)	32.9	(6.3)	-30	(7.8)	31.5	(4.9)	
Trento	-20	(9.7)	35.8	(8.3)	-24	(9.2)	35.4	(6.9)	-28	(5.6)	31.0	(3.7)	
Portugal													
Região Autónoma dos Açores	-26	(10.6)	29.8	(8.6)	-16	(10.8)	37.1	(11.3)	-21	(10.0)	35.6	(6.7)	
Spain													
Andalusia*	-10	(9.4)	43.9	(9.3)	-13	(10.3)	42.9	(8.1)	-3	(10.3)	48.8	(7.9)	
Aragon*	-20	(11.9)	36.9	(10.2)	-12	(10.1)	42.0	(8.1)	-9	(12.3)	44.0	(9.4)	
Asturias*	-17	(16.8)	36.0	(11.1)	-9	(18.2)	44.1	(12.0)	-7	(14.3)	46.9	(10.2)	
Balearic Islands*	-12	(11.6)	42.3	(9.7)	-9	(12.2)	44.5	(11.5)	1	(13.0)	52.9	(10.3)	
Basque Country*	-19	(9.0)	37.6	(7.1)	-17	(8.4)	38.9	(6.7)	-21	(7.9)	37.7	(4.6)	
Canary Islands*	-13	(11.7)	38.6	(10.9)	-10	(10.5)	43.9	(8.8)	-1	(12.5)	50.9	(7.9)	
Cantabria*	-26	(11.5)	33.1	(9.1)	-22	(13.1)	35.5	(9.2)	-21	(14.4)	38.2	(8.6)	
Castile and Leon*	-10	(6.9)	44.0	(5.4)	-5	(6.2)	47.1	(6.1)	5	(7.3)	53.6	(6.1)	
Castile-La Mancha*	-14	(10.6)	38.6	(8.9)	-11	(10.0)	43.1	(7.4)	-4	(8.9)	47.5	(7.4)	
Catalonia*	-11	(7.0)	44.4	(5.3)	1	(8.5)	51.0	(7.7)	-1	(6.8)	50.8	(5.3)	
Comunidad Valenciana*	-15	(7.8)	38.2	(7.0)	-12	(8.2)	40.9	(6.5)	-8	(9.0)	45.7	(7.9)	
Extremadura*	-19	(9.1)	36.1	(8.5)	-12	(10.3)	41.7	(8.6)	-11	(8.0)	41.5	(5.7)	
Galicia*	-30	(9.1)	29.6	(7.1)	-21	(11.2)	36.9	(7.3)	-12	(9.3)	42.6	(7.9)	
La Rioja*	-15	(15.6)	39.6	(11.6)	-3	(15.5)	47.3	(11.4)	-16	(19.1)	41.4	(10.6)	
Madrid*	-9	(7.7)	45.4	(6.4)	-5	(6.7)	47.1	(6.2)	0	(6.4)	50.4	(5.2)	
Murcia*	-16	(11.6)	39.0	(8.6)	-15	(12.5)	42.1	(8.7)	-1	(11.9)	49.9	(8.4)	
Navarre*	-14	(8.2)	42.2	(7.7)	-8	(8.9)	45.5	(6.7)	-19	(11.5)	40.7	(7.7)	
United Kingdom													
England	6	(3.9)	53.8	(2.9)	20	(6.0)	62.0	(4.3)	23	(5.8)	63.2	(3.3)	
Northern Ireland	1	(6.3)	51.7	(5.2)	17	(8.1)	63.4	(7.3)	21	(7.5)	65.3	(6.6)	
Scotland*	0	(6.9)	50.4	(5.0)	23	(5.7)	65.7	(4.8)	17	(6.3)	61.1	(5.3)	
Wales	0	(6.3)	50.1	(5.9)	13	(8.5)	61.4	(6.0)	18	(7.9)	64.3	(6.4)	
United States													
Massachusetts*	35	(4.7)	75.5	(3.7)	43	(7.2)	77.0	(5.1)	75	(5.8)	89.1	(3.1)	
North Carolina*	29	(6.6)	70.0	(4.7)	38	(5.6)	75.2	(4.0)	60	(9.3)	84.6	(6.8)	
Partners	Colombia												
	Bogotá	0	(14.5)	52.6	(15.3)	-15	(13.7)	36.3	(13.9)	26	(27.5)	74.0	(18.9)
	Cali	-4	(23.8)	44.4	(27.3)	-25	(17.4)	33.8	(16.8)	25	(39.1)	62.5	(35.0)
	Manizales	-4	(30.4)	48.2	(30.1)	-26	(21.7)	29.5	(19.6)	22	(31.8)	66.1	(32.8)
	Medellín	-6	(23.2)	52.9	(28.1)	-28	(13.7)	30.6	(11.7)	11	(24.6)	59.8	(21.4)
	United Arab Emirates												
	Abu Dhabi*	-40	(9.8)	21.2	(7.9)	-36	(11.5)	26.7	(8.8)	-32	(11.3)	28.1	(8.7)
	Ajman	m	m	m	m	-52	(51.4)	21.5	(33.9)	-34	(47.7)	15.8	(27.5)
	Dubai*	-12	(5.1)	40.3	(4.4)	-8	(5.7)	43.8	(5.1)	-3	(7.6)	47.9	(5.7)
	Fujairah	-10	(32.8)	45.4	(23.6)	-20	(21.8)	43.8	(20.3)	-8	(35.2)	40.0	(23.4)
	Ras Al Khaimah	-11	(41.3)	45.7	(31.7)	-1	(27.2)	56.9	(29.7)	-6	(35.5)	49.4	(23.3)
	Sharjah	-51	(18.0)	14.4	(12.5)	-44	(19.2)	22.4	(14.7)	-55	(21.0)	19.5	(11.1)
	Umm Al Quwain	m	m	m	m	m	m	m	m	m	m	m	m

* PISA for adjudicated region.

1. Relative scores are the residuals obtained from a pooled linear regression, across all participating countries/economies, of the performance in collaborative problem solving over performance in science, reading and/or mathematics.

2. Students who score higher than expected are those with positive relative scores.

3. The percentage of students who score higher than expected is bolded when it differs significantly from 50%.

4. Top performers in science, reading or mathematics are those who attain Level 5 or above in those subjects.

5. Low achievers in science, reading or mathematics are those who attain below Level 2 in those subjects.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

Students in PISA 2015 completed four clusters of test material: two in science and two distributed among reading, mathematics and collaborative problem solving. Hence, no student completed all four of science, reading, mathematics and collaborative problem solving. Scores were imputed in the domains in which students were not tested.

Values that are statistically significant are indicated in bold (see Annex A3).

See Table V.3.9a for national data.

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[Part 3/3]

Table B2.V.5 Relative performance in collaborative problem solving

Based on residual scores after accounting for performance in the core PISA subjects in regressions involving all OECD and partner countries/economies

		Relative performance in collaborative problem solving based on performance among low achievers ⁵ in...												
		Science				Reading				Mathematics				
		Average relative score ¹		Percentage of students who score higher than expected ^{2,3}		Average relative score		Percentage of students who score higher than expected		Average relative score		Percentage of students who score higher than expected		
		Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	Score dif.	S.E.	%	S.E.	
OECD	Belgium													
	Flemish community*	10	(3.5)	56.7	(2.3)	11	(4.2)	56.6	(2.7)	3	(4.9)	51.3	(2.9)	
	French community	-7	(4.0)	45.9	(3.0)	-8	(3.5)	45.4	(2.6)	-20	(4.2)	38.1	(2.7)	
	German-speaking community	3	(11.9)	50.8	(9.1)	3	(10.1)	49.7	(8.4)	-6	(11.9)	47.1	(10.6)	
	Canada													
	Alberta	-5	(8.4)	46.8	(6.4)	-2	(9.1)	47.6	(5.5)	17	(9.1)	56.7	(5.8)	
	British Columbia	14	(9.2)	56.7	(6.1)	9	(11.5)	52.7	(7.8)	35	(11.8)	64.7	(5.9)	
	Manitoba	6	(8.0)	52.2	(4.8)	2	(10.0)	50.8	(6.0)	7	(8.9)	53.4	(5.0)	
	New Brunswick	4	(7.2)	51.9	(6.2)	-1	(7.2)	49.5	(4.7)	14	(7.3)	58.2	(5.1)	
	Newfoundland and Labrador	2	(7.4)	49.9	(5.5)	-3	(9.1)	47.1	(7.3)	10	(6.5)	55.9	(4.7)	
	Nova Scotia	3	(6.6)	49.3	(4.9)	-5	(7.0)	45.8	(5.0)	13	(6.6)	55.7	(4.1)	
	Ontario	2	(5.6)	51.9	(4.0)	-2	(5.8)	48.2	(3.8)	6	(5.1)	52.3	(3.5)	
	Prince Edward Island	0	(12.8)	47.6	(12.4)	-12	(12.8)	40.5	(11.5)	2	(12.5)	50.7	(9.1)	
	Quebec	-5	(7.8)	46.1	(4.5)	5	(7.3)	52.3	(5.3)	-7	(9.0)	45.8	(5.6)	
	Saskatchewan	1	(6.4)	50.3	(5.5)	-7	(7.2)	46.3	(5.0)	5	(7.4)	52.9	(4.8)	
	Italy													
	Bolzano	0	(8.9)	49.6	(6.9)	14	(9.0)	58.3	(6.0)	-4	(10.5)	46.9	(6.1)	
	Campania	-11	(6.4)	43.6	(3.9)	-14	(7.4)	40.9	(4.1)	-18	(7.6)	39.6	(4.4)	
	Lombardia	5	(8.8)	52.8	(5.8)	8	(10.2)	54.1	(6.7)	5	(9.9)	54.3	(6.8)	
	Trento	-3	(5.5)	47.5	(4.7)	-2	(6.9)	48.3	(4.9)	-8	(5.6)	43.5	(5.0)	
Portugal														
Região Autónoma dos Açores	-8	(4.0)	43.9	(3.3)	-10	(4.6)	42.3	(3.5)	-3	(3.7)	47.7	(3.0)		
Spain														
Andalusia*	3	(4.9)	52.4	(3.6)	-4	(4.7)	47.9	(3.3)	2	(4.3)	51.6	(3.0)		
Aragon*	-11	(5.8)	42.9	(4.0)	-12	(8.7)	41.5	(5.7)	-6	(9.8)	46.9	(6.2)		
Asturias*	-7	(11.1)	44.4	(7.9)	-7	(15.2)	44.9	(9.7)	-5	(10.8)	46.9	(6.0)		
Balearic Islands*	2	(6.7)	50.5	(4.8)	-3	(6.7)	48.2	(4.7)	0	(6.9)	49.9	(3.9)		
Basque Country*	-4	(5.5)	46.7	(4.2)	-13	(4.4)	41.4	(3.1)	-12	(4.9)	41.8	(3.5)		
Canary Islands*	1	(6.1)	50.3	(4.5)	-5	(7.3)	46.2	(5.2)	14	(5.5)	57.8	(3.4)		
Cantabria*	-10	(6.9)	42.8	(4.9)	-15	(7.5)	39.4	(5.2)	-13	(10.5)	42.2	(7.0)		
Castile and Leon*	-1	(5.0)	48.5	(5.3)	-4	(6.2)	48.1	(5.2)	7	(6.9)	52.9	(4.8)		
Castile-La Mancha*	0	(5.9)	50.1	(4.9)	-5	(5.9)	46.6	(4.3)	4	(6.4)	53.0	(4.6)		
Catalonia*	2	(5.3)	50.1	(4.1)	-1	(5.6)	49.1	(4.3)	-1	(6.1)	48.6	(4.0)		
Comunidad Valenciana*	-5	(7.3)	47.7	(4.9)	-8	(7.1)	45.6	(5.7)	1	(7.4)	50.6	(4.9)		
Extremadura*	-6	(6.3)	45.4	(5.5)	-11	(5.4)	41.9	(4.8)	-13	(6.4)	41.8	(4.4)		
Galicia*	-16	(5.5)	39.2	(4.1)	-17	(7.3)	38.1	(4.6)	-10	(7.8)	43.9	(5.3)		
La Rioja*	-4	(10.7)	45.9	(6.9)	-4	(12.2)	45.5	(7.4)	-14	(10.7)	41.6	(6.5)		
Madrid*	4	(6.5)	53.1	(4.9)	-3	(6.2)	48.3	(5.2)	12	(6.0)	56.8	(4.1)		
Murcia*	-1	(5.8)	50.4	(4.9)	-4	(7.7)	47.1	(5.0)	4	(7.2)	52.3	(4.6)		
Navarre*	-4	(7.4)	48.0	(6.0)	-9	(8.8)	45.4	(6.3)	-6	(10.4)	47.2	(6.2)		
United Kingdom														
England	13	(3.8)	56.3	(2.9)	17	(4.3)	59.6	(2.8)	22	(4.1)	61.6	(2.7)		
Northern Ireland	11	(4.9)	58.5	(4.5)	3	(6.1)	52.8	(4.3)	2	(6.4)	51.8	(5.8)		
Scotland*	12	(4.0)	55.6	(3.0)	2	(4.0)	49.9	(2.9)	6	(5.2)	51.6	(2.9)		
Wales	8	(3.5)	55.2	(3.0)	5	(5.1)	51.9	(4.4)	3	(5.1)	51.3	(3.6)		
United States														
Massachusetts*	4	(6.1)	52.5	(4.5)	5	(5.3)	52.1	(5.3)	15	(4.7)	58.7	(3.4)		
North Carolina*	5	(3.9)	52.7	(3.6)	5	(4.0)	52.7	(3.3)	21	(3.8)	62.0	(2.7)		
Partners	Colombia													
	Bogotá	3	(3.8)	53.1	(3.4)	0	(4.5)	49.6	(3.9)	22	(4.5)	66.1	(3.1)	
	Cali	0	(2.6)	50.0	(2.8)	-4	(3.1)	46.1	(3.1)	13	(2.5)	59.2	(2.6)	
	Manizales	1	(2.9)	50.2	(3.0)	-6	(4.1)	45.2	(4.3)	15	(2.4)	60.9	(2.4)	
	Medellín	4	(2.9)	53.1	(3.3)	-5	(4.5)	46.7	(4.1)	16	(3.3)	61.3	(2.8)	
	United Arab Emirates													
	Abu Dhabi*	-14	(2.9)	39.2	(2.6)	-11	(3.4)	41.3	(3.0)	-14	(3.5)	40.1	(2.4)	
	Ajman	-9	(5.5)	42.2	(4.3)	-11	(7.1)	42.4	(4.9)	-7	(6.1)	44.0	(4.3)	
	Dubai*	-11	(2.9)	40.7	(2.5)	-8	(4.0)	43.2	(3.0)	-7	(4.6)	45.0	(2.9)	
	Fujairah	-18	(4.6)	35.6	(3.3)	-16	(4.7)	37.5	(3.7)	-20	(5.8)	35.8	(4.3)	
	Ras Al Khaimah	-19	(6.3)	36.1	(4.8)	-15	(6.9)	39.3	(5.2)	-28	(8.2)	31.4	(5.2)	
	Sharjah	-16	(6.3)	38.3	(5.5)	-19	(5.7)	36.4	(4.9)	-19	(8.3)	37.3	(5.6)	
	Umm Al Quwain	-13	(6.6)	39.1	(6.0)	-14	(6.7)	39.1	(6.2)	-24	(7.8)	33.3	(5.6)	

* PISA for adjudicated region.

1. Relative scores are the residuals obtained from a pooled linear regression, across all participating countries/economies, of the performance in collaborative problem solving over performance in science, reading and/or mathematics.

2. Students who score higher than expected are those with positive relative scores.

3. The percentage of students who score higher than expected is bolded when it differs significantly from 50%.

4. Top performers in science, reading or mathematics are those who attain Level 5 or above in those subjects.

5. Low achievers in science, reading or mathematics are those who attain below Level 2 in those subjects.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

Students in PISA 2015 completed four clusters of test material: two in science and two distributed among reading, mathematics and collaborative problem solving. Hence, no student completed all four of science, reading, mathematics and collaborative problem solving. Scores were imputed in the domains in which students were not tested.

Values that are statistically significant are indicated in bold (see Annex A3).

See Table V.3.9a for national data.

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[Part 1/2]

Table B2.V.15 Percentage of students at each proficiency level in collaborative problem solving, by gender

		Boys					Girls				
		Below Level 1 (below 340 score points)	Level 1 (from 340 to less than 440 score points)	Level 2 (from 440 to less than 540 score points)	Level 3 (from 540 to less than 640 score points)	Level 4 (at or above 640 score points)	Below Level 1 (below 340 score points)	Level 1 (from 340 to less than 440 score points)	Level 2 (from 440 to less than 540 score points)	Level 3 (from 540 to less than 640 score points)	Level 4 (at or above 640 score points)
		% S.E.	% S.E.	% S.E.	% S.E.	% S.E.	% S.E.	% S.E.	% S.E.	% S.E.	% S.E.
OECD	Belgium										
	Flemish community*	4.8 (0.7)	19.7 (1.2)	37.4 (1.3)	30.9 (1.3)	7.3 (1.0)	3.0 (0.5)	14.7 (1.2)	32.8 (1.3)	37.3 (1.3)	12.2 (1.3)
	French community	10.1 (1.2)	28.6 (1.9)	37.4 (1.7)	20.7 (1.6)	3.2 (0.7)	5.9 (1.0)	22.9 (1.6)	39.7 (1.6)	26.6 (1.8)	4.9 (0.8)
	German-speaking community	4.6 (1.9)	28.1 (3.6)	41.6 (5.0)	23.6 (4.4)	2.1 (1.3)	1.7 (1.3)	16.4 (3.4)	49.5 (4.9)	28.6 (5.0)	3.7 (1.8)
	Canada										
	Alberta	4.4 (1.0)	17.5 (1.8)	33.6 (2.6)	31.6 (2.6)	13.0 (2.0)	1.9 (0.6)	10.2 (1.7)	27.2 (2.1)	37.3 (2.3)	23.4 (2.2)
	British Columbia	3.8 (1.3)	14.5 (2.0)	29.5 (2.6)	34.7 (2.3)	17.5 (2.1)	0.8 (0.4)	7.0 (1.3)	25.3 (2.3)	39.5 (2.7)	27.4 (2.8)
	Manitoba	5.8 (1.2)	23.1 (2.6)	37.1 (3.2)	24.8 (2.8)	9.2 (1.8)	3.4 (1.2)	13.7 (1.9)	31.5 (2.1)	34.5 (2.4)	16.9 (2.0)
	New Brunswick	6.5 (1.6)	23.0 (2.5)	34.3 (2.8)	27.4 (3.1)	8.7 (1.7)	1.9 (0.7)	13.0 (1.8)	37.3 (2.8)	34.2 (2.4)	13.6 (2.2)
	Newfoundland and Labrador	5.8 (1.3)	20.3 (2.5)	37.0 (3.1)	27.3 (2.8)	9.6 (1.6)	2.3 (0.8)	13.4 (2.3)	34.6 (3.1)	36.0 (2.5)	13.7 (2.2)
	Nova Scotia	4.9 (1.1)	20.4 (2.1)	34.4 (2.4)	29.5 (2.5)	10.8 (1.8)	1.7 (0.7)	11.1 (1.7)	31.0 (2.5)	36.5 (3.6)	19.8 (2.5)
	Ontario	5.3 (0.8)	20.5 (1.7)	34.3 (1.7)	29.1 (1.7)	10.8 (1.2)	2.1 (0.6)	11.5 (1.3)	30.0 (1.9)	36.1 (1.9)	20.3 (1.9)
	Prince Edward Island	5.7 (2.3)	22.0 (3.9)	37.8 (5.0)	27.6 (5.6)	6.9 (2.4)	0.4 (0.6)	8.6 (2.5)	31.7 (4.3)	41.5 (5.3)	17.8 (3.5)
	Quebec	4.3 (0.9)	16.9 (1.7)	34.9 (2.1)	32.5 (1.9)	11.4 (1.3)	1.9 (0.5)	11.5 (1.7)	32.3 (2.3)	39.2 (2.2)	15.1 (1.8)
	Saskatchewan	7.0 (1.5)	26.3 (1.9)	35.0 (2.2)	24.8 (2.4)	6.9 (1.4)	2.2 (1.0)	15.8 (2.2)	36.2 (2.6)	33.0 (2.2)	12.8 (1.5)
	Italy										
	Bolzano	4.0 (0.9)	21.7 (2.5)	38.5 (2.8)	30.2 (2.3)	5.6 (1.4)	2.1 (0.7)	15.0 (2.1)	40.5 (2.9)	34.3 (3.0)	8.0 (2.3)
	Campania	16.2 (2.3)	38.0 (2.4)	32.8 (2.3)	11.7 (1.5)	1.3 (0.5)	9.6 (1.9)	35.5 (3.0)	37.1 (2.8)	15.2 (1.9)	2.6 (0.8)
	Lombardia	6.6 (1.7)	24.2 (2.3)	39.0 (2.6)	25.5 (2.6)	4.6 (1.2)	2.9 (1.1)	19.7 (2.5)	40.0 (2.4)	30.4 (2.9)	6.9 (1.5)
	Trento	4.6 (1.0)	23.9 (2.1)	43.9 (2.9)	24.3 (2.3)	3.3 (1.0)	2.9 (0.7)	16.9 (1.5)	42.3 (2.6)	32.4 (2.3)	5.5 (1.2)
	Portugal										
	Região Autónoma dos Açores	8.2 (1.3)	34.9 (2.2)	37.2 (3.2)	17.5 (2.2)	2.2 (0.8)	6.2 (1.1)	28.7 (2.2)	43.1 (2.4)	19.5 (2.2)	2.5 (0.8)
	Spain										
	Andalusia*	8.8 (1.5)	27.7 (1.9)	38.5 (1.9)	21.9 (2.2)	3.2 (0.7)	5.6 (1.2)	22.2 (2.5)	40.3 (2.3)	27.2 (2.3)	4.7 (0.9)
	Aragon*	6.6 (1.3)	24.4 (2.4)	39.7 (2.3)	24.9 (2.1)	4.4 (1.3)	3.0 (0.8)	16.8 (1.9)	40.0 (2.6)	33.2 (2.9)	7.0 (1.7)
	Asturias*	7.3 (2.0)	24.8 (2.5)	40.3 (2.4)	22.9 (2.5)	4.7 (1.8)	3.6 (1.3)	18.1 (2.7)	40.1 (2.5)	32.4 (3.1)	5.8 (2.0)
	Balearic Islands*	7.2 (1.2)	28.7 (2.5)	39.2 (2.3)	21.5 (2.3)	3.3 (1.0)	3.5 (1.0)	19.8 (1.8)	42.1 (3.0)	29.6 (3.0)	5.0 (1.3)
	Basque Country*	8.8 (1.4)	29.2 (2.0)	38.1 (2.1)	21.1 (1.7)	2.8 (0.6)	3.7 (0.8)	21.5 (1.5)	43.0 (2.4)	27.4 (2.2)	4.4 (0.9)
	Canary Islands*	8.8 (1.4)	28.2 (2.1)	37.6 (1.9)	22.1 (1.6)	3.3 (0.9)	4.0 (1.1)	22.9 (2.3)	41.2 (2.6)	27.2 (2.8)	4.8 (1.2)
	Cantabria*	7.1 (1.5)	30.4 (3.2)	39.5 (2.3)	20.4 (2.3)	2.7 (1.1)	3.2 (1.2)	22.5 (2.2)	40.6 (2.5)	28.9 (2.8)	4.8 (1.8)
	Castile and Leon*	3.8 (0.9)	21.0 (1.8)	41.1 (2.0)	28.3 (1.9)	5.9 (1.2)	1.5 (0.5)	11.9 (1.9)	39.2 (2.2)	37.7 (2.3)	9.7 (1.3)
	Castile-La Mancha*	6.0 (1.2)	24.6 (2.2)	41.6 (2.2)	24.0 (2.1)	3.8 (0.9)	2.7 (0.7)	17.7 (1.8)	42.6 (2.3)	31.2 (2.4)	5.8 (1.2)
	Catalonia*	5.5 (1.2)	23.3 (2.2)	39.0 (1.9)	26.4 (2.2)	5.8 (1.1)	3.7 (0.9)	16.2 (1.6)	37.8 (2.2)	33.8 (2.6)	8.6 (1.4)
	Comunidad Valenciana*	6.5 (1.1)	26.1 (2.0)	40.6 (2.1)	23.5 (1.9)	3.4 (1.1)	2.8 (0.9)	19.9 (2.3)	42.7 (3.1)	28.9 (2.6)	5.7 (1.3)
	Extremadura*	10.7 (1.6)	31.9 (1.9)	37.0 (1.9)	18.0 (2.2)	2.3 (0.6)	4.2 (1.0)	24.3 (2.1)	41.9 (2.7)	25.4 (2.7)	4.2 (1.0)
	Galicia*	7.0 (1.4)	27.5 (2.1)	38.5 (2.0)	23.5 (2.3)	3.5 (0.9)	3.3 (0.9)	17.7 (2.1)	41.4 (2.2)	32.0 (2.3)	5.7 (1.4)
	La Rioja*	7.0 (1.5)	27.2 (3.5)	37.8 (2.5)	24.2 (3.2)	3.8 (1.6)	4.1 (1.1)	17.7 (3.0)	38.5 (3.3)	32.6 (3.3)	7.1 (2.4)
	Madrid*	3.8 (1.1)	18.4 (1.6)	39.5 (2.6)	31.7 (2.0)	6.6 (1.2)	2.6 (0.8)	13.2 (1.5)	36.9 (2.2)	37.8 (2.3)	9.6 (1.5)
	Murcia*	7.7 (1.6)	28.9 (2.5)	39.6 (2.2)	20.5 (1.9)	3.3 (0.8)	3.9 (0.8)	20.3 (2.0)	42.3 (2.2)	29.0 (2.5)	4.5 (0.9)
	Navarre*	5.0 (1.2)	22.7 (2.4)	41.1 (2.5)	26.1 (2.9)	5.0 (1.2)	2.3 (0.8)	15.1 (2.0)	41.8 (3.1)	33.9 (3.1)	6.9 (1.5)
	United Kingdom										
	England	5.6 (0.6)	21.4 (1.4)	35.9 (1.2)	27.6 (1.2)	9.5 (1.2)	2.9 (0.5)	14.2 (1.1)	32.1 (1.3)	34.5 (1.5)	16.3 (1.1)
	Northern Ireland	3.5 (0.8)	22.3 (1.8)	40.3 (2.3)	28.6 (2.1)	5.3 (1.0)	1.6 (0.6)	14.7 (1.8)	37.8 (1.8)	37.0 (1.9)	8.8 (1.1)
	Scotland*	5.3 (0.9)	23.7 (1.3)	37.2 (1.3)	26.5 (1.3)	7.3 (0.9)	3.1 (0.6)	15.3 (1.2)	33.0 (1.6)	36.1 (1.5)	12.4 (1.0)
	Wales	5.2 (0.8)	26.3 (1.6)	40.7 (1.6)	23.9 (1.5)	3.9 (0.6)	2.6 (0.5)	19.5 (1.5)	41.4 (1.7)	30.7 (2.0)	5.9 (0.9)
	United States										
	Massachusetts*	3.8 (1.0)	14.9 (1.8)	31.7 (2.1)	32.8 (2.2)	16.7 (1.9)	1.5 (0.5)	10.8 (1.9)	27.5 (2.6)	37.3 (2.8)	23.0 (2.8)
	North Carolina*	5.6 (1.0)	21.7 (1.7)	32.8 (2.1)	29.0 (2.4)	10.9 (1.6)	2.1 (0.6)	14.6 (1.9)	32.0 (2.1)	34.4 (2.3)	16.8 (1.9)
Partners	Colombia										
	Bogotá	5.2 (1.2)	30.8 (2.5)	45.5 (2.4)	17.1 (2.2)	1.5 (0.8)	5.0 (0.9)	27.9 (2.4)	43.3 (2.8)	21.6 (2.6)	2.2 (1.0)
	Cali	10.6 (1.8)	41.5 (2.6)	37.0 (2.7)	10.3 (1.8)	0.6 (0.4)	8.4 (1.3)	42.3 (2.6)	38.1 (2.4)	10.6 (1.7)	0.5 (0.3)
	Manizales	8.4 (1.3)	38.7 (2.7)	40.2 (2.4)	11.9 (1.9)	0.8 (0.5)	6.0 (1.4)	36.7 (3.2)	44.8 (2.7)	11.9 (2.2)	0.6 (0.4)
	Medellín	8.1 (1.7)	38.9 (2.4)	39.9 (2.6)	11.9 (2.2)	1.1 (0.7)	7.4 (1.3)	34.8 (2.6)	42.3 (2.7)	14.7 (1.9)	0.8 (0.4)
	United Arab Emirates										
	Abu Dhabi*	24.3 (2.1)	44.0 (2.1)	24.1 (2.0)	7.0 (1.4)	0.6 (0.3)	12.1 (1.6)	39.5 (1.9)	36.3 (2.4)	11.1 (1.5)	1.0 (0.4)
	Ajman	32.1 (3.1)	48.6 (3.0)	16.8 (3.0)	2.4 (1.1)	0.0 (0.1)	11.6 (3.7)	36.3 (3.8)	38.7 (4.4)	12.6 (2.4)	0.8 (0.7)
	Dubai*	13.3 (1.0)	29.7 (1.5)	32.2 (1.5)	20.6 (1.2)	4.3 (0.8)	5.2 (0.6)	23.9 (1.2)	39.2 (1.3)	26.6 (1.4)	5.1 (0.6)
	Fujairah	37.6 (4.6)	43.8 (3.9)	15.9 (2.6)	2.7 (1.1)	0.1 (0.2)	11.8 (2.7)	46.3 (3.7)	33.3 (3.3)	7.6 (2.6)	1.1 (0.7)
	Ras Al Khaimah	35.0 (4.7)	49.1 (4.5)	14.1 (2.6)	1.6 (1.0)	0.3 (0.4)	14.8 (2.8)	42.0 (4.1)	33.9 (3.6)	8.5 (2.4)	0.8 (0.8)
	Sharjah	24.7 (4.0)	40.3 (3.2)	26.7 (3.3)	7.6 (2.0)	0.8 (0.7)	8.3 (2.4)	38.4 (4.7)	39.8 (4.0)	13.0 (3.5)	0.5 (0.4)
	Umm Al Quwain	35.4 (5.0)	49.0 (5.0)	15.0 (3.3)	0.6 (0.8)	0.0 c	14.6 (4.1)	48.6 (4.8)	29.1 (3.9)	7.5 (2.2)	0.2 (0.5)

* PISA for adjudicated region.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

Values that are statistically significant are indicated in bold (see Annex A3).

See Table V.4.2 for national data.

StatLink  <http://dx.doi.org/10.1787/888933616750>

[Part 2/2]

Table B2.V.15 Percentage of students at each proficiency level in collaborative problem solving, by gender

	Gender differences (boys – girls)						Increased risk of...					
	Below Level 1 (below 340 score points)	Level 1 (from 340 to less than 440 score points)	Level 2 (from 440 to less than 540 score points)	Level 3 (from 540 to less than 640 score points)	Level 4 (at or above 640 score points)		Boys scoring below Level 1 on the collaborative problem-solving scale (below 340 score points)	Boys scoring below Level 2 on the collaborative problem-solving scale (below 440 score points)	Girls scoring at Level 4 on the collaborative problem-solving scale (at or above 640 score points)			
	% dif. S.E.	% dif. S.E.	% dif. S.E.	% dif. S.E.	% dif. S.E.		Relative risk S.E.	Relative risk S.E.	Relative risk S.E.			
OECD	Belgium											
	Flemish community*	1.8 (0.7)	5.0 (1.6)	4.5 (1.8)	-6.4 (1.6)	-4.9 (1.5)	1.6 (0.3)	1.4 (0.1)	1.7 (0.3)			
	French community	4.2 (1.2)	5.7 (2.3)	-2.3 (2.2)	-5.9 (2.3)	-1.7 (0.9)	1.7 (0.3)	1.3 (0.1)	1.6 (0.4)			
	German-speaking community	2.9 (2.4)	11.7 (4.7)	-7.9 (6.8)	-5.0 (5.9)	-1.6 (2.1)	3.7 (6.3)	1.8 (0.4)	1.9 (2.1)			
	Canada											
	Alberta	2.5 (1.0)	7.3 (2.0)	6.4 (3.1)	-5.7 (3.0)	-10.4 (2.4)	2.3 (0.8)	1.8 (0.3)	1.8 (0.3)			
	British Columbia	3.0 (1.4)	7.5 (2.2)	4.2 (3.2)	-4.8 (3.2)	-9.9 (3.1)	5.2 (3.4)	2.4 (0.4)	1.6 (0.2)			
	Manitoba	2.5 (1.5)	9.4 (3.1)	5.6 (4.1)	-9.8 (3.7)	-7.7 (2.3)	1.8 (0.7)	1.7 (0.3)	1.9 (0.4)			
	New Brunswick	4.7 (1.6)	10.0 (2.9)	-2.9 (3.4)	-6.8 (3.4)	-4.9 (2.2)	3.6 (1.6)	2.0 (0.3)	1.6 (0.3)			
	Newfoundland and Labrador	3.6 (1.5)	6.9 (3.3)	2.4 (4.7)	-8.7 (3.6)	-4.1 (2.4)	2.7 (1.3)	1.7 (0.3)	1.4 (0.3)			
	Nova Scotia	3.2 (1.3)	9.3 (2.5)	3.4 (3.3)	-7.0 (3.8)	-9.0 (3.0)	3.0 (1.5)	2.0 (0.3)	1.8 (0.4)			
	Ontario	3.2 (0.8)	9.0 (1.7)	4.3 (1.9)	-7.0 (2.1)	-9.6 (1.8)	2.6 (0.7)	1.9 (0.2)	1.9 (0.2)			
	Prince Edward Island	5.2 (2.5)	13.4 (4.9)	6.1 (6.1)	-13.8 (7.8)	-10.9 (4.0)	m	3.1 (1.1)	2.6 (1.2)			
	Quebec	2.4 (0.9)	5.3 (1.8)	2.6 (2.9)	-6.8 (2.7)	-3.6 (1.7)	2.3 (0.7)	1.6 (0.2)	1.3 (0.2)			
	Saskatchewan	4.8 (1.6)	10.5 (2.7)	-1.3 (4.0)	-8.2 (3.3)	-5.9 (2.1)	3.5 (1.5)	1.9 (0.2)	1.9 (0.5)			
	Italy											
	Bolzano	1.9 (1.0)	6.7 (2.8)	-2.0 (4.3)	-4.1 (3.2)	-2.4 (2.0)	1.9 (0.7)	1.5 (0.2)	1.4 (0.4)			
	Campania	6.6 (2.6)	2.5 (3.1)	-4.3 (3.2)	-3.5 (2.0)	-1.3 (0.9)	1.7 (0.4)	1.2 (0.1)	2.1 (1.0)			
	Lombardia	3.7 (1.9)	4.5 (3.2)	-1.0 (3.7)	-5.0 (3.8)	-2.3 (1.6)	2.4 (1.1)	1.4 (0.2)	1.5 (0.5)			
	Trento	1.7 (1.2)	7.0 (2.5)	1.6 (3.6)	-8.1 (3.2)	-2.2 (1.4)	1.6 (0.5)	1.4 (0.1)	1.7 (0.6)			
	Portugal											
	Região Autónoma dos Açores	2.0 (1.7)	6.2 (3.0)	-5.9 (3.3)	-2.1 (2.9)	-0.3 (1.2)	1.3 (0.3)	1.2 (0.1)	1.2 (0.6)			
	Spain											
	Andalusia*	3.2 (1.9)	5.6 (3.0)	-1.8 (2.9)	-5.4 (2.7)	-1.5 (1.2)	1.6 (0.5)	1.3 (0.1)	1.5 (0.5)			
	Aragon*	3.6 (1.5)	7.6 (2.4)	-0.3 (3.5)	-8.3 (3.3)	-2.6 (1.9)	2.3 (0.9)	1.6 (0.2)	1.7 (0.6)			
	Asturias*	3.7 (1.5)	6.7 (2.5)	0.1 (3.3)	-9.5 (2.6)	-1.1 (1.3)	2.1 (0.6)	1.5 (0.1)	1.3 (0.5)			
	Balearic Islands*	3.8 (1.3)	8.9 (2.9)	-2.8 (3.1)	-8.1 (2.4)	-1.7 (1.3)	2.2 (0.7)	1.5 (0.2)	1.5 (0.5)			
	Basque Country*	5.0 (1.3)	7.8 (2.0)	-4.9 (3.4)	-6.3 (2.3)	-1.6 (1.1)	2.4 (0.5)	1.5 (0.1)	1.6 (0.5)			
	Canary Islands*	4.8 (1.6)	5.3 (3.0)	-3.5 (3.6)	-5.1 (3.1)	-1.5 (1.1)	2.3 (0.7)	1.4 (0.1)	1.5 (0.5)			
	Cantabria*	3.9 (1.4)	7.9 (2.6)	-1.2 (3.8)	-8.5 (2.2)	-2.1 (1.3)	2.4 (1.0)	1.5 (0.1)	1.9 (0.8)			
	Castile and Leon*	2.3 (1.0)	9.1 (2.2)	1.9 (2.9)	-9.4 (2.8)	-3.8 (1.4)	2.6 (1.2)	1.9 (0.3)	1.7 (0.4)			
	Castile-La Mancha*	3.3 (1.4)	6.9 (2.6)	-1.0 (3.3)	-7.2 (3.1)	-2.0 (1.1)	2.2 (0.8)	1.5 (0.2)	1.5 (0.4)			
	Catalonia*	1.8 (1.6)	7.1 (2.4)	1.2 (3.0)	-7.3 (2.8)	-2.8 (1.9)	1.5 (0.6)	1.5 (0.2)	1.5 (0.4)			
	Comunidad Valenciana*	3.7 (1.5)	6.2 (3.1)	-2.1 (3.9)	-5.4 (3.1)	-2.3 (1.7)	2.4 (1.0)	1.4 (0.2)	1.8 (0.6)			
	Extremadura*	6.6 (1.6)	7.5 (2.4)	-4.8 (3.2)	-7.4 (3.2)	-1.9 (1.1)	2.6 (0.6)	1.5 (0.1)	1.8 (0.6)			
	Galicia*	3.7 (1.6)	9.8 (2.7)	-3.0 (2.7)	-8.4 (2.6)	-2.2 (1.3)	2.2 (0.8)	1.7 (0.2)	1.7 (0.5)			
	La Rioja*	3.0 (1.6)	9.5 (3.5)	-0.7 (4.2)	-8.4 (3.6)	-3.3 (1.8)	1.8 (0.5)	1.6 (0.2)	1.9 (0.7)			
	Madrid*	1.2 (1.2)	5.3 (2.3)	2.7 (3.7)	-6.1 (3.2)	-3.0 (2.0)	1.5 (0.6)	1.4 (0.2)	1.5 (0.4)			
	Murcia*	3.8 (1.7)	8.6 (2.4)	-2.7 (3.0)	-8.5 (2.8)	-1.2 (1.2)	2.0 (0.5)	1.5 (0.1)	1.4 (0.5)			
	Navarre*	2.7 (1.3)	7.7 (2.4)	-0.7 (3.9)	-7.8 (2.9)	-1.9 (1.6)	2.3 (1.0)	1.6 (0.2)	1.4 (0.4)			
	United Kingdom											
	England	2.7 (0.7)	7.1 (1.5)	3.8 (1.7)	-6.9 (1.7)	-6.8 (1.5)	2.0 (0.4)	1.6 (0.1)	1.7 (0.2)			
	Northern Ireland	1.9 (0.8)	7.6 (2.2)	2.5 (2.6)	-8.5 (2.8)	-3.5 (1.5)	2.3 (0.9)	1.6 (0.2)	1.7 (0.4)			
	Scotland*	2.2 (1.1)	8.4 (1.8)	4.2 (2.0)	-9.6 (2.1)	-5.1 (1.4)	1.7 (0.5)	1.6 (0.1)	1.7 (0.3)			
	Wales	2.5 (0.8)	6.8 (1.7)	-0.7 (2.0)	-6.8 (1.8)	-1.9 (1.1)	2.0 (0.4)	1.4 (0.1)	1.5 (0.3)			
	United States											
	Massachusetts*	2.4 (1.0)	4.2 (2.2)	4.1 (2.9)	-4.4 (3.2)	-6.2 (2.8)	2.7 (1.1)	1.5 (0.2)	1.4 (0.2)			
	North Carolina*	3.4 (1.0)	7.1 (2.0)	0.7 (2.6)	-5.3 (2.6)	-5.9 (1.8)	2.7 (0.9)	1.6 (0.2)	1.6 (0.2)			
Partners	Colombia											
	Bogotá	0.2 (1.1)	3.0 (2.8)	2.2 (3.4)	-4.6 (3.0)	-0.7 (1.0)	1.0 (0.2)	1.1 (0.1)	1.5 (1.1)			
	Cali	2.1 (2.0)	-0.8 (3.4)	-1.1 (3.5)	-0.3 (2.1)	0.0 (0.5)	1.3 (0.3)	1.0 (0.1)	1.6 (3.9)			
	Manizales	2.4 (1.9)	2.0 (4.0)	-4.6 (3.5)	0.1 (2.5)	0.2 (0.6)	1.4 (0.4)	1.1 (0.1)	0.8 (1.0)			
	Medellín	0.7 (1.8)	4.1 (3.0)	-2.4 (3.5)	-2.7 (2.5)	0.3 (0.9)	1.1 (0.3)	1.1 (0.1)	0.9 (1.1)			
	United Arab Emirates											
	Abu Dhabi*	12.2 (2.6)	4.5 (2.7)	-12.2 (2.7)	-4.1 (2.0)	-0.4 (0.4)	2.0 (0.3)	1.3 (0.1)	1.8 (1.3)			
	Ajman	20.5 (4.7)	12.3 (5.6)	-21.9 (6.1)	-10.2 (2.7)	-0.8 (0.7)	2.8 (1.0)	1.7 (0.2)	m	m		
	Dubai*	8.1 (1.1)	5.8 (2.1)	-7.0 (1.8)	-6.0 (1.7)	-0.8 (0.9)	2.6 (0.3)	1.5 (0.1)	1.2 (0.2)			
	Fujairah	25.8 (5.3)	-2.5 (5.3)	-17.4 (4.4)	-4.9 (2.8)	-1.0 (0.7)	3.2 (0.8)	1.4 (0.1)	m	m		
	Ras Al Khaimah	20.2 (4.8)	7.1 (6.0)	-19.8 (4.4)	-6.9 (2.3)	-0.5 (0.8)	2.4 (0.5)	1.5 (0.1)	3.1 (6.0)			
	Sharjah	16.4 (4.4)	1.9 (5.5)	-13.1 (5.0)	-5.4 (3.7)	0.2 (0.8)	3.1 (1.1)	1.4 (0.2)	m	m		
	Umm Al Quwain	20.7 (5.6)	0.4 (6.0)	-14.1 (4.7)	-6.8 (2.1)	-0.2 (0.5)	2.5 (0.8)	1.3 (0.1)	m	m		

* PISA for adjudicated region.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

Values that are statistically significant are indicated in bold (see Annex A3).

See Table V.4.2 for national data.

StatLink  <http://dx.doi.org/10.1787/888933616750>

[Part 1/3]

Table B2.V.16 Mean score and variation in collaborative problem-solving performance, by gender

		Boys																	
		Mean score		Standard deviation		Percentiles													
						5th		10th		25th		Median (50th)		75th		90th		95th	
		Mean	S.E.	S.D.	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.
OECD	Belgium																		
	Flemish community*	506	(3.4)	96	(2.4)	342	(7.0)	377	(6.2)	442	(5.3)	511	(3.6)	575	(3.8)	627	(5.0)	655	(5.5)
	French community	467	(5.1)	98	(2.5)	306	(8.2)	339	(6.6)	398	(6.8)	469	(6.1)	537	(5.7)	592	(6.2)	623	(6.9)
	German-speaking community	480	(7.2)	83	(5.0)	343	(13.4)	368	(10.1)	417	(9.4)	483	(11.1)	542	(10.1)	583	(13.3)	610	(19.3)
	Canada																		
	Alberta	522	(6.6)	104	(3.4)	346	(11.1)	382	(10.9)	451	(7.8)	527	(8.3)	593	(8.2)	654	(9.6)	689	(10.8)
	British Columbia	541	(7.4)	108	(4.2)	354	(14.5)	395	(13.0)	469	(10.4)	546	(9.7)	615	(8.1)	674	(9.4)	710	(14.1)
	Manitoba	498	(6.5)	102	(3.5)	334	(11.6)	368	(8.9)	428	(9.2)	497	(7.0)	567	(10.2)	634	(12.2)	669	(10.7)
	New Brunswick	499	(6.6)	104	(4.0)	328	(12.1)	362	(9.5)	426	(9.2)	501	(10.3)	573	(9.2)	633	(10.7)	665	(11.0)
	Newfoundland and Labrador	505	(6.4)	103	(3.9)	333	(13.0)	371	(11.3)	436	(7.8)	506	(10.2)	576	(9.6)	638	(11.2)	672	(11.5)
	Nova Scotia	511	(6.2)	103	(3.4)	341	(10.4)	373	(9.3)	438	(9.3)	514	(8.7)	585	(9.1)	644	(9.9)	677	(12.7)
	Ontario	510	(4.8)	104	(2.2)	338	(6.3)	374	(6.1)	437	(7.0)	512	(6.2)	584	(6.2)	645	(7.3)	680	(8.6)
	Prince Edward Island	499	(9.0)	100	(6.5)	337	(23.1)	365	(16.9)	431	(16.7)	503	(17.1)	568	(15.6)	621	(15.0)	656	(35.1)
	Quebec	521	(5.1)	100	(3.3)	347	(9.4)	387	(8.0)	455	(7.6)	526	(6.4)	591	(7.1)	647	(7.5)	681	(9.8)
	Saskatchewan	489	(5.2)	102	(3.5)	325	(10.7)	358	(9.5)	414	(6.1)	487	(6.3)	563	(8.2)	621	(9.5)	655	(9.9)
	Italy																		
	Bolzano	502	(7.3)	91	(2.7)	349	(8.5)	381	(9.1)	438	(9.0)	505	(7.8)	569	(8.8)	617	(9.5)	645	(10.7)
	Campania	432	(6.0)	92	(3.1)	288	(10.7)	316	(9.4)	365	(7.5)	430	(6.9)	493	(7.6)	555	(8.8)	590	(11.1)
	Lombardia	487	(7.2)	94	(3.7)	325	(14.6)	362	(12.8)	421	(9.9)	490	(8.1)	554	(8.7)	606	(9.1)	637	(10.0)
	Trento	488	(3.6)	85	(3.0)	345	(9.9)	376	(7.7)	431	(4.9)	492	(5.8)	547	(6.7)	595	(6.9)	625	(10.3)
Portugal																			
Região Autónoma dos Açores	460	(3.3)	89	(3.1)	322	(7.9)	349	(7.2)	394	(5.1)	458	(6.0)	524	(7.0)	578	(10.4)	608	(10.1)	
Spain																			
Andalusia*	471	(5.1)	96	(3.0)	312	(10.8)	346	(8.3)	406	(7.2)	471	(5.4)	540	(7.4)	595	(7.4)	625	(8.3)	
Aragon*	487	(6.2)	93	(3.1)	330	(8.6)	363	(9.8)	423	(7.7)	489	(7.0)	553	(7.9)	606	(9.3)	636	(9.5)	
Asturias*	483	(11.2)	95	(3.1)	324	(14.3)	356	(13.0)	418	(12.0)	487	(10.5)	547	(11.3)	604	(11.9)	637	(15.3)	
Balearic Islands*	474	(6.2)	92	(2.8)	323	(10.0)	356	(8.1)	411	(7.1)	474	(6.9)	539	(8.1)	596	(9.0)	625	(10.1)	
Basque Country*	470	(5.2)	93	(2.1)	317	(7.4)	346	(7.1)	403	(6.5)	472	(7.7)	537	(4.9)	590	(5.0)	618	(6.0)	
Canary Islands*	473	(5.0)	95	(2.8)	316	(9.4)	348	(9.1)	408	(6.5)	475	(5.9)	541	(5.8)	595	(8.0)	625	(7.9)	
Cantabria*	470	(8.2)	90	(3.0)	325	(11.6)	355	(8.2)	406	(10.6)	472	(9.0)	534	(7.7)	585	(11.2)	615	(14.0)	
Castile and Leon*	501	(4.6)	90	(2.5)	351	(8.4)	383	(8.2)	441	(6.4)	504	(5.2)	564	(7.3)	616	(6.7)	646	(8.1)	
Castile-La Mancha*	484	(5.3)	91	(2.9)	332	(9.5)	365	(7.1)	423	(6.9)	487	(6.7)	547	(6.5)	601	(7.6)	630	(8.2)	
Catalonia*	493	(6.5)	94	(2.7)	336	(10.4)	369	(9.1)	428	(8.9)	495	(8.1)	561	(7.8)	615	(7.7)	645	(8.0)	
Comunidad Valenciana*	480	(4.5)	90	(3.1)	330	(8.7)	360	(7.8)	418	(6.4)	482	(6.5)	545	(5.8)	595	(8.0)	625	(10.9)	
Extremadura*	459	(5.4)	94	(2.4)	308	(9.7)	336	(8.0)	393	(7.5)	461	(6.7)	526	(7.3)	579	(7.7)	611	(8.5)	
Galicia*	479	(6.5)	94	(2.8)	325	(10.5)	358	(7.8)	412	(7.9)	480	(7.5)	545	(8.2)	599	(8.4)	628	(9.0)	
La Rioja*	480	(10.0)	93	(3.2)	326	(11.4)	357	(10.6)	414	(11.1)	482	(11.1)	547	(10.9)	598	(12.3)	630	(16.3)	
Madrid*	509	(4.3)	90	(3.4)	353	(11.6)	388	(10.1)	450	(6.5)	513	(5.5)	572	(6.9)	622	(7.1)	649	(7.8)	
Murcia*	473	(6.2)	92	(2.9)	323	(11.3)	353	(9.3)	408	(7.4)	474	(7.2)	537	(6.2)	590	(7.4)	622	(9.4)	
Navarre*	493	(6.9)	91	(2.6)	340	(9.4)	372	(9.5)	432	(8.2)	495	(7.4)	556	(8.6)	609	(10.2)	639	(9.1)	
United Kingdom																			
England	504	(3.7)	103	(1.9)	334	(6.0)	370	(5.9)	433	(4.8)	505	(4.9)	575	(4.3)	638	(6.3)	672	(5.8)	
Northern Ireland	500	(4.2)	89	(2.5)	354	(7.5)	385	(6.1)	438	(5.3)	502	(5.0)	564	(6.2)	615	(8.0)	642	(7.6)	
Scotland*	497	(3.4)	98	(2.3)	337	(6.8)	369	(5.4)	427	(4.8)	498	(3.6)	566	(4.8)	625	(5.6)	656	(7.4)	
Wales	485	(3.8)	90	(1.7)	339	(6.2)	367	(5.4)	422	(5.9)	486	(5.0)	548	(4.6)	602	(4.6)	631	(5.8)	
United States																			
Massachusetts*	536	(6.4)	107	(3.4)	352	(10.9)	392	(11.0)	464	(8.4)	539	(7.8)	611	(7.7)	675	(10.2)	707	(11.1)	
North Carolina*	509	(5.2)	106	(3.3)	336	(7.7)	369	(7.7)	432	(7.7)	511	(7.2)	586	(7.0)	645	(8.5)	678	(10.4)	
Partners	Colombia																		
	Bogotá	469	(5.6)	80	(3.1)	340	(7.8)	365	(7.6)	413	(6.8)	469	(6.8)	523	(7.4)	573	(8.3)	600	(10.0)
	Cali	439	(5.1)	79	(2.7)	313	(7.8)	338	(7.2)	383	(5.9)	436	(6.6)	493	(7.2)	544	(8.3)	574	(10.2)
	Manizales	448	(4.6)	80	(3.0)	321	(8.7)	347	(6.1)	391	(5.1)	446	(5.5)	502	(6.8)	553	(9.9)	582	(12.8)
	Medellín	449	(5.6)	79	(3.3)	323	(9.1)	348	(7.7)	392	(6.0)	446	(5.9)	502	(6.9)	552	(10.5)	582	(12.8)
	United Arab Emirates																		
	Abu Dhabi*	404	(5.8)	87	(3.0)	275	(6.2)	300	(5.6)	342	(4.7)	396	(6.8)	460	(8.5)	524	(9.8)	560	(10.8)
	Ajman	377	(6.4)	76	(3.5)	257	(14.1)	283	(12.2)	326	(6.1)	373	(6.6)	424	(7.8)	478	(10.3)	511	(12.3)
	Dubai*	462	(3.0)	105	(2.7)	296	(5.6)	326	(4.8)	383	(3.1)	462	(3.7)	540	(5.1)	600	(6.2)	633	(7.9)
	Fujairah	372	(6.9)	79	(4.4)	255	(12.4)	279	(11.6)	317	(9.2)	364	(7.1)	420	(10.1)	479	(13.6)	515	(15.7)
	Ras Al Khaimah	370	(8.6)	75	(6.1)	253	(13.0)	279	(12.6)	321	(10.0)	366	(8.7)	415	(9.6)	465	(15.1)	497	(19.0)
	Sharjah	406	(11.1)	92	(4.4)	265	(17.2)	292	(12.5)	341	(11.4)	402	(14.9)	467	(13.5)	530	(16.5)	567	(18.4)
	Umm Al Quwain	368	(9.1)	67	(5.1)	263	(17.9)	284	(13.7)	321	(10.7)	364	(11.2)	412	(12.5)	457	(10.8)	489	(19.9)

* PISA for adjudicated region.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

Values that are statistically significant are indicated in bold (see Annex A3).

See Table V.4.3a for national data.

StatLink  <http://dx.doi.org/10.1787/888933616750>

[Part 2/3]

Table B2.V.16 Mean score and variation in collaborative problem-solving performance, by gender

		Girls													
		Mean score		Standard deviation		Percentiles									
						5th		10th		25th		Median (50th)		75th	
		Mean	S.E.	S.D.	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.	Score	S.E.
OECD	Belgium														
	Flemish community*	532	(3.7)	96	(2.4)	363	(6.9)	400	(6.5)	469	(5.5)	539	(3.9)	601	(4.1)
	French community	491	(4.3)	94	(2.5)	333	(8.4)	367	(6.6)	428	(6.8)	495	(5.2)	558	(5.1)
	German-speaking community	506	(7.8)	76	(5.1)	381	(16.5)	411	(12.5)	457	(10.0)	505	(9.8)	557	(14.1)
	Canada														
	Alberta	563	(6.1)	103	(3.5)	386	(13.0)	426	(11.8)	494	(8.5)	567	(7.2)	635	(6.9)
	British Columbia	581	(6.1)	97	(3.0)	417	(12.4)	456	(11.4)	519	(7.6)	581	(6.5)	647	(8.1)
	Manitoba	540	(6.6)	104	(3.6)	360	(16.1)	400	(12.3)	471	(8.6)	544	(7.1)	613	(7.9)
	New Brunswick	536	(6.3)	94	(3.1)	380	(10.1)	416	(8.7)	475	(7.8)	535	(6.5)	599	(8.5)
	Newfoundland and Labrador	537	(5.0)	95	(3.5)	377	(13.1)	413	(10.2)	475	(8.8)	540	(7.1)	602	(6.9)
	Nova Scotia	555	(5.2)	100	(5.0)	384	(13.5)	424	(12.2)	487	(7.7)	557	(6.9)	623	(7.7)
	Ontario	554	(4.8)	102	(2.5)	381	(9.3)	420	(7.6)	486	(5.7)	556	(6.0)	625	(6.0)
	Prince Edward Island	560	(8.0)	89	(6.3)	411	(15.8)	443	(15.0)	500	(13.3)	560	(10.8)	618	(12.5)
	Quebec	545	(5.6)	94	(2.5)	382	(9.6)	422	(9.0)	485	(7.4)	550	(6.5)	610	(5.9)
	Saskatchewan	530	(4.5)	95	(3.1)	373	(13.5)	406	(9.6)	463	(6.8)	531	(6.4)	594	(5.5)
	Italy														
	Bolzano	522	(8.4)	85	(3.0)	378	(9.5)	411	(8.4)	465	(8.3)	524	(8.5)	581	(10.6)
	Campania	455	(6.5)	92	(4.4)	312	(13.3)	342	(8.6)	392	(7.3)	451	(8.0)	516	(9.0)
	Lombardia	509	(7.6)	89	(3.1)	361	(12.2)	393	(10.9)	447	(9.1)	510	(9.0)	571	(8.8)
	Trento	510	(3.6)	85	(2.6)	362	(7.4)	395	(7.5)	457	(5.0)	515	(5.1)	567	(5.3)
	Portugal														
	Região Autónoma dos Açores	473	(4.1)	86	(2.8)	332	(8.6)	359	(7.1)	414	(6.8)	474	(5.6)	532	(5.2)
	Spain														
	Andalusia*	493	(5.2)	92	(2.6)	334	(12.4)	374	(9.6)	432	(7.5)	497	(6.8)	558	(6.1)
	Aragon*	514	(7.1)	87	(2.8)	365	(12.0)	401	(8.0)	456	(8.2)	518	(8.5)	574	(7.2)
	Asturias*	509	(10.6)	88	(2.7)	356	(14.0)	391	(13.9)	450	(11.7)	514	(10.7)	571	(11.1)
	Balearic Islands*	503	(6.2)	87	(3.0)	355	(10.8)	388	(7.4)	445	(6.0)	506	(6.8)	564	(8.6)
	Basque Country*	498	(5.3)	86	(2.0)	354	(7.3)	385	(5.8)	440	(5.6)	499	(6.1)	558	(6.9)
	Canary Islands*	496	(6.0)	88	(2.6)	349	(10.8)	380	(8.2)	435	(7.1)	497	(6.7)	559	(6.4)
	Cantabria*	499	(8.7)	86	(3.0)	355	(9.7)	384	(10.3)	438	(9.8)	503	(9.4)	560	(9.4)
	Castile and Leon*	532	(4.6)	84	(2.4)	389	(8.3)	424	(9.5)	477	(7.6)	535	(5.5)	589	(5.5)
	Castile-La Mancha*	509	(5.0)	85	(2.4)	365	(9.0)	399	(9.4)	452	(6.5)	511	(5.2)	569	(6.3)
	Catalonia*	518	(5.0)	92	(2.8)	354	(11.3)	395	(10.3)	459	(7.1)	523	(6.2)	582	(6.0)
	Comunidad Valenciana*	505	(5.2)	86	(3.2)	364	(11.7)	396	(8.3)	446	(7.3)	507	(6.2)	564	(7.0)
	Extremadura*	491	(5.2)	87	(3.0)	348	(10.5)	378	(8.3)	430	(5.9)	493	(5.7)	553	(8.0)
	Galicia*	509	(6.2)	86	(3.1)	361	(12.3)	394	(10.7)	453	(8.5)	514	(6.4)	570	(6.8)
	La Rioja*	511	(9.1)	92	(3.4)	349	(12.2)	387	(12.6)	451	(10.8)	516	(9.6)	574	(10.2)
	Madrid*	529	(4.4)	89	(2.5)	370	(10.3)	411	(8.9)	474	(5.6)	535	(5.1)	590	(5.9)
	Murcia*	500	(4.7)	87	(2.8)	351	(9.6)	385	(8.2)	443	(7.3)	504	(5.9)	562	(6.1)
	Navarre*	518	(7.0)	85	(3.3)	375	(13.1)	408	(10.2)	463	(8.4)	520	(8.3)	578	(7.7)
	United Kingdom														
	England	539	(3.8)	103	(1.9)	365	(6.8)	404	(6.2)	470	(5.1)	542	(4.3)	610	(4.3)
	Northern Ireland	528	(4.8)	85	(2.4)	385	(9.8)	414	(8.6)	470	(8.0)	531	(5.0)	589	(5.6)
	Scotland*	530	(3.0)	98	(2.2)	362	(8.6)	399	(6.1)	465	(4.9)	536	(4.2)	599	(4.4)
	Wales	508	(4.0)	87	(2.3)	364	(6.1)	394	(5.7)	448	(5.0)	510	(5.1)	568	(5.0)
	United States														
	Massachusetts*	562	(7.8)	101	(3.5)	389	(12.6)	427	(12.6)	492	(10.1)	567	(9.4)	634	(8.6)
	North Carolina*	540	(6.3)	99	(2.5)	375	(7.4)	409	(7.6)	469	(7.9)	543	(8.8)	613	(7.2)
Partners	Colombia														
	Bogotá	478	(5.6)	83	(3.5)	339	(8.3)	372	(6.2)	421	(6.7)	479	(6.6)	537	(8.9)
	Cali	442	(5.3)	77	(2.2)	321	(7.2)	345	(6.1)	389	(6.3)	438	(6.3)	494	(8.1)
	Manizales	455	(5.3)	75	(2.8)	335	(8.3)	359	(6.2)	401	(5.7)	454	(6.1)	506	(7.4)
	Medellín	457	(5.0)	80	(2.5)	326	(8.2)	353	(7.0)	401	(6.4)	457	(6.6)	513	(5.5)
	United Arab Emirates														
	Abu Dhabi*	439	(5.7)	85	(2.5)	305	(7.7)	332	(6.4)	378	(6.3)	437	(6.7)	497	(6.9)
	Ajman	444	(10.7)	84	(5.9)	307	(18.4)	334	(15.7)	384	(16.4)	445	(13.3)	503	(9.6)
	Dubai*	492	(2.8)	93	(1.8)	338	(4.5)	369	(3.8)	428	(4.0)	493	(3.7)	558	(4.4)
	Fujairah	430	(10.6)	80	(5.5)	310	(10.5)	334	(10.2)	372	(9.8)	424	(10.5)	483	(15.3)
	Ras Al Khaimah	427	(11.2)	83	(5.3)	300	(12.0)	326	(10.9)	366	(10.9)	424	(13.1)	483	(13.9)
	Sharjah	449	(10.4)	79	(3.9)	322	(12.7)	347	(11.3)	394	(10.5)	448	(12.3)	507	(14.7)
	Umm Al Quwain	420	(7.0)	78	(4.8)	298	(15.0)	324	(15.1)	366	(11.1)	416	(8.4)	469	(11.0)

* PISA for adjudicated region.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

Values that are statistically significant are indicated in bold (see Annex A3).

See Table V.4.3a for national data.

StatLink  <http://dx.doi.org/10.1787/888933616750>

[Part 3/3]

Table B2.V.16 Mean score and variation in collaborative problem-solving performance, by gender

		Gender difference (boys – girls)																	
		Mean score		Standard deviation		Percentiles													
						5th		10th		25th		Median (50th)		75th		90th		95th	
						Score dif.	S.E.	S.D. dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.	Score dif.	S.E.
OECD	Belgium																		
	Flemish community*	-26	(4.4)	0	(2.8)	-21	(8.5)	-23	(7.1)	-28	(6.5)	-28	(5.0)	-26	(5.3)	-23	(6.7)	-22	(8.2)
	French community	-24	(4.6)	4	(2.9)	-27	(9.3)	-27	(7.3)	-30	(7.6)	-26	(6.4)	-21	(6.1)	-18	(6.4)	-16	(7.8)
	German-speaking community	-26	(8.2)	7	(7.4)	-38	(20.3)	-43	(15.7)	-40	(12.8)	-22	(13.5)	-15	(15.1)	-21	(16.4)	-21	(25.6)
	Canada																		
	Alberta	-42	(5.4)	0	(4.5)	-40	(14.9)	-44	(13.6)	-43	(8.2)	-40	(8.0)	-42	(7.8)	-39	(10.6)	-39	(13.1)
	British Columbia	-41	(6.5)	11	(4.5)	-62	(17.5)	-60	(13.8)	-51	(9.8)	-35	(9.5)	-31	(9.5)	-31	(11.6)	-31	(17.3)
	Manitoba	-42	(6.7)	-2	(4.5)	-26	(15.7)	-32	(13.7)	-43	(11.1)	-47	(9.3)	-45	(9.7)	-37	(13.5)	-39	(15.5)
	New Brunswick	-37	(7.4)	10	(4.7)	-52	(14.8)	-53	(12.0)	-49	(10.8)	-34	(10.5)	-26	(11.6)	-24	(14.2)	-23	(15.1)
	Newfoundland and Labrador	-32	(7.2)	8	(5.7)	-44	(17.9)	-42	(14.5)	-39	(11.8)	-34	(11.3)	-26	(12.2)	-19	(13.7)	-17	(15.9)
	Nova Scotia	-44	(6.6)	3	(6.0)	-43	(17.7)	-51	(14.9)	-49	(10.1)	-43	(9.2)	-37	(10.7)	-38	(13.0)	-37	(14.9)
	Ontario	-44	(4.3)	2	(2.9)	-43	(10.2)	-46	(8.8)	-48	(6.8)	-44	(6.7)	-40	(7.3)	-39	(8.6)	-40	(9.2)
	Prince Edward Island	-61	(12.4)	12	(9.4)	-74	(27.0)	-78	(21.9)	-70	(22.6)	-57	(21.8)	-50	(19.3)	-54	(24.4)	-52	(49.1)
	Quebec	-24	(5.5)	6	(3.5)	-34	(12.5)	-36	(11.2)	-30	(8.4)	-24	(7.4)	-18	(7.3)	-15	(8.4)	-14	(12.0)
	Saskatchewan	-41	(6.3)	7	(4.6)	-48	(17.2)	-48	(15.4)	-50	(8.4)	-43	(8.1)	-31	(9.7)	-34	(12.5)	-35	(14.8)
	Italy																		
	Bolzano	-20	(5.9)	6	(3.8)	-29	(10.2)	-30	(8.6)	-27	(9.0)	-19	(7.9)	-12	(8.6)	-13	(11.2)	-14	(14.2)
	Campania	-23	(6.4)	1	(4.4)	-24	(13.9)	-26	(11.2)	-26	(9.7)	-21	(8.4)	-22	(9.5)	-21	(11.1)	-21	(13.6)
	Lombardia	-22	(9.6)	5	(4.5)	-37	(18.4)	-31	(17.0)	-25	(13.5)	-20	(11.6)	-17	(10.2)	-18	(10.3)	-17	(11.8)
	Trento	-22	(4.7)	0	(4.1)	-18	(13.0)	-18	(11.3)	-26	(6.7)	-23	(7.5)	-21	(8.5)	-20	(8.6)	-19	(12.1)
Portugal																			
Região Autónoma dos Açores	-12	(5.0)	3	(3.7)	-9	(10.8)	-11	(10.8)	-20	(7.9)	-16	(8.0)	-8	(8.9)	-3	(14.6)	-3	(15.6)	
Spain																			
Andalusia*	-22	(5.3)	4	(3.4)	-22	(15.7)	-28	(11.8)	-26	(8.0)	-26	(6.9)	-18	(8.3)	-15	(9.2)	-12	(12.2)	
Aragon*	-28	(5.3)	6	(4.5)	-35	(12.7)	-38	(12.2)	-33	(8.4)	-29	(7.9)	-21	(8.7)	-17	(9.2)	-17	(11.1)	
Asturias*	-26	(4.6)	7	(4.4)	-32	(13.2)	-35	(10.4)	-32	(8.0)	-27	(6.2)	-24	(7.5)	-15	(9.2)	-6	(10.6)	
Balearic Islands*	-28	(5.6)	5	(4.0)	-33	(12.5)	-32	(9.9)	-34	(7.7)	-32	(7.4)	-25	(7.5)	-18	(10.9)	-15	(10.7)	
Basque Country*	-28	(4.2)	7	(2.9)	-36	(8.7)	-38	(7.6)	-36	(6.9)	-26	(5.9)	-21	(5.9)	-17	(7.8)	-17	(9.1)	
Canary Islands*	-23	(4.7)	7	(2.9)	-33	(11.8)	-32	(10.4)	-27	(7.4)	-22	(6.4)	-18	(7.1)	-14	(8.9)	-14	(9.2)	
Cantabria*	-29	(4.1)	3	(4.4)	-31	(13.3)	-28	(9.0)	-33	(8.1)	-31	(6.1)	-26	(6.8)	-23	(9.6)	-21	(12.1)	
Castile and Leon*	-31	(4.0)	6	(3.3)	-38	(10.2)	-41	(10.5)	-37	(7.7)	-31	(6.8)	-25	(7.6)	-23	(7.8)	-21	(10.0)	
Castile-La Mancha*	-25	(5.9)	6	(3.8)	-33	(12.9)	-34	(11.1)	-30	(8.2)	-24	(7.4)	-21	(8.5)	-16	(9.8)	-16	(9.7)	
Catalonia*	-24	(6.9)	2	(4.0)	-18	(14.9)	-27	(12.4)	-31	(9.8)	-28	(8.5)	-21	(8.6)	-18	(10.6)	-17	(13.6)	
Comunidad Valenciana*	-25	(6.3)	5	(4.4)	-34	(15.5)	-36	(12.1)	-29	(9.7)	-25	(7.7)	-19	(8.5)	-20	(9.2)	-19	(14.0)	
Extremadura*	-32	(5.4)	6	(3.9)	-41	(12.3)	-42	(9.7)	-38	(7.7)	-32	(6.5)	-27	(9.7)	-25	(10.7)	-23	(11.7)	
Galicia*	-31	(5.7)	7	(4.4)	-36	(14.9)	-36	(12.1)	-41	(8.7)	-33	(8.0)	-25	(6.8)	-18	(8.3)	-18	(11.1)	
La Rioja*	-31	(6.4)	2	(4.1)	-23	(14.1)	-30	(13.3)	-36	(11.4)	-35	(9.1)	-27	(9.5)	-25	(9.8)	-24	(14.4)	
Madrid*	-20	(5.5)	2	(3.7)	-18	(14.2)	-23	(12.5)	-24	(8.2)	-21	(7.5)	-18	(7.6)	-17	(9.6)	-17	(10.3)	
Murcia*	-28	(4.5)	5	(4.1)	-28	(13.3)	-32	(12.2)	-34	(7.9)	-31	(6.9)	-25	(7.0)	-20	(8.0)	-15	(9.9)	
Navarre*	-25	(5.2)	6	(4.4)	-35	(13.6)	-36	(11.1)	-30	(9.1)	-24	(7.9)	-21	(7.3)	-16	(11.3)	-12	(11.3)	
United Kingdom																			
England	-35	(4.1)	1	(2.8)	-31	(8.7)	-34	(7.2)	-37	(5.6)	-37	(5.1)	-35	(5.2)	-30	(7.9)	-32	(8.6)	
Northern Ireland	-27	(5.1)	3	(2.8)	-32	(11.6)	-29	(10.1)	-32	(7.5)	-29	(6.2)	-24	(7.6)	-20	(9.1)	-21	(9.5)	
Scotland*	-33	(4.0)	0	(2.8)	-25	(11.4)	-29	(6.8)	-38	(6.2)	-38	(5.3)	-33	(6.2)	-27	(6.6)	-25	(9.0)	
Wales	-23	(3.6)	3	(2.9)	-25	(8.2)	-26	(6.0)	-26	(6.0)	-23	(5.6)	-20	(5.5)	-17	(6.1)	-17	(10.0)	
United States																			
Massachusetts*	-26	(7.1)	6	(3.9)	-37	(15.2)	-34	(13.1)	-28	(9.1)	-28	(8.9)	-23	(9.5)	-13	(12.4)	-14	(13.8)	
North Carolina*	-31	(4.8)	6	(3.6)	-39	(10.2)	-39	(8.7)	-37	(7.8)	-32	(7.5)	-26	(7.7)	-23	(9.0)	-19	(12.2)	
Partners	Colombia																		
	Bogotá	-10	(5.9)	-3	(3.5)	0	(8.6)	-7	(7.9)	-8	(8.4)	-9	(7.4)	-14	(9.7)	-13	(9.5)	-15	(10.1)
	Cali	-3	(5.7)	3	(2.8)	-7	(11.2)	-7	(8.3)	-6	(7.6)	-2	(7.6)	-1	(8.5)	-1	(9.4)	0	(10.6)
	Manizales	-7	(6.2)	5	(3.8)	-13	(11.4)	-11	(8.5)	-10	(6.8)	-8	(7.9)	-4	(9.4)	2	(12.2)	4	(14.4)
	Medellín	-8	(5.5)	-1	(4.1)	-3	(10.1)	-5	(8.3)	-8	(7.0)	-10	(7.5)	-11	(7.0)	-9	(11.0)	-8	(16.2)
	United Arab Emirates																		
	Abu Dhabi*	-35	(8.0)	2	(3.7)	-29	(9.3)	-32	(8.8)	-37	(7.9)	-41	(9.2)	-37	(10.5)	-27	(12.5)	-22	(14.2)
	Ajman	-67	(13.3)	-8	(7.3)	-50	(23.9)	-51	(20.1)	-58	(17.8)	-72	(15.8)	-79	(12.4)	-77	(15.7)	-68	(17.3)
	Dubai*	-30	(3.9)	12	(3.0)	-42	(7.1)	-42	(6.2)	-45	(4.3)	-32	(5.8)	-18	(6.5)	-11	(8.0)	-8	(8.7)
	Fujairah	-58	(12.7)	-1	(6.9)	-55	(15.7)	-55	(16.1)	-56	(13.5)	-60	(12.5)	-62	(20.0)	-54	(18.2)	-49	(26.1)
	Ras Al Khaimah	-58	(11.7)	-8	(7.1)	-47	(17.9)	-46	(14.5)	-45	(14.7)	-58	(13.9)	-68	(15.1)	-71	(20.0)	-72	(21.6)
	Sharjah	-43	(13.8)	13	(5.8)	-57	(22.0)	-54	(15.8)	-54	(14.7)	-46	(18.1)	-40	(18.4)	-24	(19.0)	-12	(22.6)
	Umm Al Quwain	-53	(10.7)	-10	(6.1)	-35	(20.9)	-40	(18.9)	-45	(13.2)	-53	(13.1)	-57	(16.2)	-68	(17.6)	-71	(26.6)

* PISA for adjudicated region.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

Values that are statistically significant are indicated in bold (see Annex A3).

See Table V.4.3a for national data.

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[Part 1/1]

Table B2.V.17 Gender differences in relative performance in collaborative problem solving*After accounting for performance in science, reading and mathematics*

	Score-point difference in relative performance ¹ in collaborative problem solving (boys – girls)			
	Before accounting for students' socio-economic status		After accounting for students' socio-economic status	
	Score dif.	S.E.	Score dif.	S.E.
OECD	Belgium			
	Flemish community*	-30 (3.1)	-31 (3.1)	
	French community	-28 (2.8)	-28 (3.0)	
	German-speaking community	-25 (6.8)	-25 (6.9)	
	Canada			
	Alberta	-39 (4.5)	-39 (4.6)	
	British Columbia	-35 (5.5)	-35 (5.8)	
	Manitoba	-35 (4.5)	-35 (4.8)	
	New Brunswick	-28 (5.3)	-28 (5.3)	
	Newfoundland and Labrador	-33 (6.0)	-32 (6.2)	
	Nova Scotia	-34 (4.6)	-35 (4.8)	
	Ontario	-35 (3.4)	-36 (3.4)	
	Prince Edward Island	-42 (12.0)	-42 (12.0)	
	Quebec	-24 (4.8)	-24 (5.0)	
	Saskatchewan	-38 (5.3)	-38 (5.4)	
	Italy			
	Bolzano	-33 (5.3)	-34 (5.2)	
	Campania	-35 (5.0)	-35 (4.9)	
	Lombardia	-35 (4.9)	-35 (4.6)	
	Trento	-35 (4.0)	-34 (4.2)	
	Portugal			
	Região Autónoma dos Açores	-13 (3.5)	-13 (3.4)	
	Spain			
	Andalusia*	-23 (4.2)	-23 (4.1)	
	Aragon*	-24 (4.9)	-24 (5.1)	
	Asturias*	-26 (3.1)	-25 (3.2)	
	Balearic Islands*	-25 (4.3)	-25 (4.2)	
	Basque Country*	-23 (3.6)	-23 (3.6)	
	Canary Islands*	-23 (4.1)	-23 (4.1)	
	Cantabria*	-25 (3.7)	-25 (3.8)	
	Castile and Leon*	-26 (3.3)	-26 (3.2)	
	Castile-La Mancha*	-24 (4.0)	-24 (4.1)	
	Catalonia*	-28 (5.1)	-28 (5.2)	
	Comunidad Valenciana*	-23 (4.6)	-23 (4.6)	
	Extremadura*	-26 (4.1)	-26 (4.1)	
	Galicia*	-29 (4.5)	-29 (4.5)	
	La Rioja*	-29 (4.8)	-29 (4.7)	
	Madrid*	-24 (4.0)	-24 (4.0)	
	Murcia*	-22 (4.0)	-23 (3.9)	
	Navarre*	-24 (4.0)	-25 (4.0)	
	United Kingdom			
	England	-31 (2.7)	-31 (2.9)	
	Northern Ireland	-25 (3.8)	-26 (3.9)	
	Scotland*	-25 (3.1)	-25 (3.3)	
	Wales	-23 (2.8)	-24 (3.0)	
	United States			
	Massachusetts*	-30 (3.9)	-30 (3.9)	
	North Carolina*	-27 (3.1)	-27 (3.2)	
Partners	Colombia			
	Bogotá	-18 (3.5)	-17 (3.9)	
	Cali	-20 (3.9)	-21 (3.9)	
	Manizales	-20 (4.0)	-20 (4.0)	
	Medellín	-20 (3.7)	-20 (3.7)	
	United Arab Emirates			
	Abu Dhabi*	-9 (6.0)	-10 (6.1)	
	Ajman	-27 (11.0)	-26 (11.1)	
	Dubai*	-14 (3.9)	-15 (3.9)	
	Fujairah	-6 (8.5)	-7 (9.3)	
	Ras Al Khaimah	-20 (11.3)	-21 (11.0)	
	Sharjah	-25 (8.1)	-25 (7.9)	
	Umm Al Quwain	-11 (9.4)	-12 (9.5)	

* PISA for adjudicated region.

1. Relative performance refers to the residual performance, attributable to purely collaborative problem-solving competencies, after accounting for performance in science, reading and mathematics in a regression performed across students at the national level.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

Values that are statistically significant are indicated in bold (see Annex A3).

See Table V.4.3b for national data.

StatLink  <http://dx.doi.org/10.1787/888933616750>

[Part 1/1]

Table B2.V.20 Attitudes towards collaboration*Results based on students' self-reports*

		Valuing relationships										Valuing teamwork									
		Index of valuing relationships		Percentage of students who agreed/strongly agreed with the following statements:								Index of valuing teamwork		Percentage of students who agreed/strongly agreed with the following statements:							
				I am a good listener		I enjoy seeing my classmates be successful		I take into account what others are interested in		I enjoy considering different perspectives				I prefer working as part of a team to working alone		I find that teams make better decisions than individuals		I find that teamwork raises my own efficiency		I enjoy co-operating with peers	
Mean index	S.E.	%	S.E.	%	S.E.	%	S.E.	%	S.E.	Mean index	S.E.	%	S.E.	%	S.E.	%	S.E.				
OECD	Belgium																				
	Flemish community*	-0.01	(0.01)	88.2	(0.5)	92.0	(0.4)	89.5	(0.5)	91.0	(0.4)	-0.20	(0.01)	63.9	(0.7)	70.3	(0.7)	57.2	(0.8)	86.5	(0.5)
	French community	-0.13	(0.02)	80.9	(0.8)	88.9	(0.8)	80.8	(0.8)	86.4	(0.6)	0.00	(0.03)	68.9	(1.1)	72.0	(0.9)	70.2	(0.8)	82.9	(0.9)
	German-speaking community	-0.02	(0.05)	82.5	(2.1)	79.3	(2.2)	89.6	(1.9)	81.6	(2.1)	0.05	(0.06)	67.7	(2.4)	76.1	(2.2)	56.5	(2.6)	86.9	(1.6)
	Canada																				
	Alberta	0.09	(0.03)	89.8	(0.7)	89.9	(0.7)	90.4	(0.7)	90.8	(0.7)	-0.01	(0.03)	67.1	(1.1)	73.9	(1.0)	69.2	(1.3)	87.2	(0.6)
	British Columbia	0.10	(0.03)	89.7	(0.8)	91.7	(0.7)	89.8	(0.8)	90.5	(0.8)	-0.09	(0.02)	63.1	(1.3)	69.4	(1.3)	66.5	(1.1)	87.7	(0.7)
	Manitoba	0.00	(0.03)	89.7	(0.9)	89.5	(0.8)	87.1	(0.9)	90.2	(0.9)	-0.03	(0.04)	66.1	(1.4)	74.5	(1.1)	71.5	(1.3)	86.4	(1.0)
	New Brunswick	0.06	(0.03)	86.7	(0.9)	89.4	(0.9)	86.7	(0.9)	88.3	(1.0)	0.02	(0.03)	67.3	(1.5)	71.1	(1.3)	68.7	(1.2)	84.5	(1.1)
	Newfoundland and Labrador	0.03	(0.04)	87.5	(1.3)	91.9	(1.0)	88.2	(1.2)	88.9	(0.9)	0.00	(0.03)	69.0	(1.7)	72.8	(1.3)	69.9	(1.5)	88.9	(1.2)
Nova Scotia	0.09	(0.03)	88.8	(0.9)	91.9	(0.8)	90.6	(0.8)	91.1	(1.0)	0.01	(0.03)	67.2	(1.4)	70.7	(1.2)	67.5	(1.4)	89.4	(0.8)	
Ontario	0.09	(0.02)	90.2	(0.5)	89.6	(0.6)	89.7	(0.6)	89.4	(0.7)	-0.01	(0.02)	65.3	(0.9)	72.2	(0.8)	70.7	(0.9)	87.1	(0.5)	
Prince Edward Island	0.13	(0.06)	89.6	(2.1)	93.7	(1.3)	91.9	(1.6)	92.0	(1.7)	0.13	(0.06)	68.3	(3.0)	79.2	(2.3)	76.0	(2.4)	91.7	(1.8)	
Quebec	0.22	(0.03)	86.9	(1.0)	91.8	(0.7)	89.1	(0.9)	92.0	(0.6)	0.11	(0.03)	70.7	(1.0)	70.9	(1.1)	70.0	(1.0)	87.3	(0.9)	
Saskatchewan	-0.03	(0.03)	89.9	(0.7)	91.3	(0.9)	88.8	(0.9)	88.9	(0.9)	-0.08	(0.03)	66.6	(1.4)	72.9	(1.1)	71.3	(1.2)	87.3	(0.9)	
Italy																					
Bolzano	0.16	(0.02)	84.6	(0.9)	84.2	(0.9)	87.7	(0.7)	85.8	(0.9)	0.22	(0.02)	73.6	(0.9)	75.1	(1.2)	67.6	(1.2)	90.4	(0.7)	
Campania	-0.11	(0.02)	88.1	(0.8)	89.8	(0.8)	73.5	(1.1)	91.8	(0.8)	0.09	(0.02)	76.0	(1.5)	75.4	(1.1)	77.4	(1.2)	91.2	(0.7)	
Lombardia	-0.21	(0.02)	83.0	(0.8)	81.8	(0.9)	78.8	(1.0)	90.4	(0.7)	-0.06	(0.03)	70.2	(1.4)	71.6	(1.1)	68.5	(1.4)	85.0	(0.8)	
Trento	-0.24	(0.02)	83.3	(1.0)	81.9	(1.0)	81.0	(1.0)	90.4	(0.7)	-0.09	(0.02)	69.4	(1.1)	71.7	(1.1)	65.4	(1.2)	84.8	(0.9)	
Portugal																					
Região Autónoma dos Açores	0.23	(0.03)	91.0	(0.9)	96.4	(0.5)	91.9	(0.8)	92.0	(0.8)	0.28	(0.03)	72.4	(1.4)	82.4	(1.0)	80.8	(1.3)	94.5	(0.7)	
Spain																					
Andalusia*	0.10	(0.03)	94.1	(0.8)	90.3	(0.8)	81.0	(1.2)	92.5	(0.6)	0.17	(0.03)	66.9	(1.3)	76.1	(1.4)	72.9	(1.3)	94.2	(0.6)	
Aragon*	0.16	(0.04)	94.7	(0.6)	89.5	(1.0)	88.0	(0.8)	92.3	(0.7)	0.13	(0.03)	68.2	(1.0)	73.8	(1.1)	70.0	(1.1)	93.3	(0.6)	
Asturias*	0.16	(0.03)	92.7	(0.5)	88.5	(0.8)	85.6	(0.8)	91.9	(0.7)	0.12	(0.02)	65.4	(1.1)	73.7	(0.9)	69.1	(0.9)	92.2	(0.6)	
Balearic Islands*	0.20	(0.02)	92.8	(0.6)	92.5	(0.6)	86.3	(0.9)	91.9	(0.8)	0.06	(0.03)	61.5	(1.5)	75.0	(1.1)	72.1	(1.2)	90.6	(0.9)	
Basque Country*	0.12	(0.02)	92.0	(0.5)	87.8	(0.7)	85.7	(0.8)	93.1	(0.6)	0.08	(0.02)	68.4	(0.9)	74.2	(0.8)	70.8	(0.9)	92.4	(0.5)	
Canary Islands*	0.21	(0.02)	92.7	(0.7)	89.2	(0.7)	82.7	(1.1)	92.7	(0.5)	0.17	(0.03)	65.1	(1.4)	73.7	(1.3)	72.5	(1.0)	92.4	(0.7)	
Cantabria*	0.16	(0.02)	93.5	(0.7)	89.3	(0.9)	87.1	(1.1)	92.5	(0.5)	0.18	(0.03)	67.8	(1.2)	74.8	(1.0)	73.0	(1.1)	92.4	(0.7)	
Castile and Leon*	0.18	(0.03)	94.4	(0.5)	90.3	(0.8)	87.9	(0.9)	94.1	(0.4)	0.16	(0.03)	66.3	(1.5)	74.2	(1.3)	72.0	(1.3)	93.7	(0.5)	
Castile-La Mancha*	0.20	(0.02)	94.4	(0.5)	89.0	(0.8)	86.7	(0.8)	93.7	(0.6)	0.18	(0.03)	68.1	(0.9)	75.9	(1.1)	72.0	(1.2)	92.8	(0.7)	
Catalonia*	0.25	(0.03)	92.5	(0.8)	92.6	(0.8)	85.3	(1.1)	91.0	(0.9)	0.04	(0.04)	64.3	(1.2)	72.8	(0.9)	71.2	(1.1)	90.2	(0.8)	
Comunidad Valenciana*	0.15	(0.03)	92.7	(0.8)	88.9	(1.0)	85.3	(0.9)	92.3	(0.8)	0.09	(0.02)	66.1	(1.1)	74.2	(1.3)	69.9	(1.2)	92.5	(0.8)	
Extremadura*	0.15	(0.03)	94.5	(0.6)	89.4	(0.8)	83.7	(0.8)	93.7	(0.5)	0.20	(0.03)	67.8	(1.2)	77.1	(1.1)	74.5	(1.4)	94.1	(0.5)	
Galicia*	0.25	(0.03)	94.0	(0.7)	92.2	(0.7)	89.6	(0.8)	92.8	(0.6)	0.15	(0.03)	71.6	(1.1)	75.8	(1.5)	71.7	(1.2)	90.4	(0.9)	
La Rioja*	0.11	(0.03)	92.3	(0.7)	86.2	(1.0)	85.0	(1.0)	93.2	(0.8)	0.13	(0.03)	66.7	(1.6)	73.9	(1.3)	72.9	(1.2)	92.4	(0.8)	
Madrid*	0.18	(0.03)	93.6	(0.5)	87.2	(0.9)	87.6	(1.1)	91.4	(0.7)	0.13	(0.04)	65.5	(1.5)	74.0	(1.5)	70.2	(1.2)	92.3	(0.7)	
Murcia*	0.23	(0.03)	94.2	(0.5)	90.3	(0.7)	85.9	(0.9)	93.4	(0.7)	0.22	(0.03)	70.5	(0.8)	76.5	(0.9)	72.8	(1.2)	93.4	(0.6)	
Navarre*	0.11	(0.04)	92.9	(0.7)	88.4	(1.2)	86.3	(1.0)	92.0	(0.7)	0.18	(0.04)	70.1	(1.4)	76.4	(1.4)	72.6	(1.3)	93.1	(0.7)	
United Kingdom																					
England	-0.04	(0.02)	87.0	(0.6)	89.2	(0.6)	88.0	(0.6)	87.2	(0.6)	-0.05	(0.02)	68.2	(0.8)	74.0	(0.7)	71.5	(0.7)	85.4	(0.7)	
Northern Ireland	-0.07	(0.02)	87.4	(0.7)	89.8	(0.8)	89.0	(0.8)	88.8	(0.7)	-0.04	(0.03)	68.0	(1.0)	72.9	(0.9)	72.4	(1.0)	87.8	(0.7)	
Scotland*	0.03	(0.02)	87.9	(0.7)	89.6	(0.5)	90.2	(0.5)	87.1	(0.8)	0.02	(0.02)	71.4	(0.9)	73.5	(0.8)	71.6	(0.7)	87.8	(0.6)	
Wales	-0.10	(0.02)	84.4	(0.6)	89.1	(0.6)	87.8	(0.6)	87.0	(0.6)	-0.05	(0.02)	67.0	(0.9)	73.9	(0.8)	72.6	(0.7)	83.8	(0.7)	
United States																					
Massachusetts*	0.09	(0.03)	88.9	(0.9)	92.8	(0.7)	90.0	(0.9)	90.0	(0.7)	-0.01	(0.03)	68.9	(1.3)	71.9	(1.1)	71.2	(0.9)	88.7	(0.8)	
North Carolina*	0.10	(0.03)	90.9	(0.9)	93.9	(0.4)	88.0	(0.7)	91.3	(0.7)	0.07	(0.03)	70.0	(1.2)	73.8	(1.2)	74.5	(1.3)	88.7	(0.8)	
Partners	Colombia																				
	Bogotá	0.08	(0.03)	89.1	(0.8)	93.4	(0.5)	80.8	(1.1)	88.3	(0.9)	0.12	(0.02)	68.4	(1.5)	77.8	(1.1)	72.8	(0.8)	93.0	(0.6)
	Cali	0.06	(0.03)	89.1	(0.7)	93.0	(0.6)	81.0	(1.2)	87.6	(1.0)	0.13	(0.02)	67.5	(1.3)	81.8	(1.1)	74.2	(0.9)	92.8	(0.7)
	Manizales	0.14	(0.03)	89.3	(1.0)	94.6	(0.6)	82.4	(1.2)	88.6	(0.9)	0.22	(0.03)	70.1	(1.1)	81.4	(1.1)	76.0	(1.2)	93.3	(0.7)
	Medellín	0.15	(0.03)	88.5	(0.7)	94.1	(0.7)	83.2	(1.0)	88.8	(0.9)	0.22	(0.02)	68.5	(0.9)	83.2	(1.0)	76.4	(1.2)	92.3	(0.8)
	United Arab Emirates																				
	Abu Dhabi*	0.37	(0.02)	87.6	(0.7)	93.0	(0.5)	86.9	(0.7)	90.7	(0.5)	0.44	(0.02)	67.3	(0.9)	86.0	(0.6)	85.3	(0.7)	90.9	(0.6)
	Ajman	0.28	(0.04)	88.0	(1.1)	92.6	(1.1)	87.3	(1.0)	88.8	(1.0)	0.51	(0.03)	64.3	(1.3)	89.2	(0.8)	89.3	(0.9)	93.3	(0.9)
	Dubai*	0.29	(0.02)	89.6	(0.5)	91.3	(0.5)	86.3	(0.5)	91.8	(0.5)	0.38	(0.02)	71.7	(0.7)	83.7	(0.5)	81.8	(0.6)	91.3	(0.4)
	Fujairah	0.39	(0.04)	88.5	(1.1)	93.3	(0.8)	88.1	(1.0)	90.8	(0.9)	0.54	(0.04)	65.8	(1.8)	87.5	(1.3)	89.9	(1.3)	93.8	(1.0)
Ras Al Khaimah	0.42	(0.05)	88.8	(1.1)	93.6	(0.6)	87.4	(1.6)	90.3	(0.8)	0.53	(0.04)	62.9	(1.7)	89.5	(1.2)	89.9	(0.9)	92.3	(0.8)	
Sharjah	0.22	(0.05)	87.8	(1.5)	93.4	(1.1)	83.3	(0.9)	91.7	(1.1)	0.50	(0.05)	71.9	(1.5)	90.0	(1.0)	88.1	(1.2)	91.5	(0.7)	
Umm Al Quwain	0.31	(0.06)	85.5	(1.8)	91.9	(1.5)	83.2	(2.2)	89.3	(1.7)	0.51	(0.06)	62.7	(2.5)	89.6	(1.5)	87.4	(1.7)	90.5	(1.4)	

* PISA for adjudicated region.

Notes: Results for the province of Quebec in this table should be treated with caution due to a possible non-response bias.

In Massachusetts and North Carolina, the desired target population covers 15-year-old students in grade 7 or above in public schools only (see Annex A2).

See Table V.5.1 for national data.

StatLink 



ANNEX B3

LIST OF TABLES AVAILABLE ON LINE

The following tables are available in electronic form only, they may be found at: www.oecd.org/pisa.

Chapter 3 Performance in collaborative problem solving

<http://dx.doi.org/10.1787/888933616769>

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<http://dx.doi.org/10.1787/888933616788>

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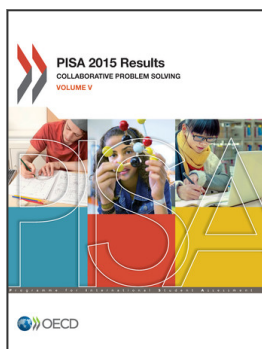
<http://dx.doi.org/10.1787/888933616750>

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