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Country	Country's Name for Grade Tested	Years of Formal Schooling	Mean Age of Students Tested
Argentina	4	4	10.2
Belize	Standard II	4	9.8
Bulgaria	4	4	10.9
Canada (O, Q)[1]	4	4	10.0
Colombia	4	4	10.5
Cyprus	4	4	9.7
Czech Republic	4	4	10.5
England	Year 5	5	10.2
France	Cours Moyen 1	4	10.1
Germany	4	4	10.5
Greece	4	4	9.9
Hong Kong, SAR	Primary 4	4	10.2
Hungary	4	4	10.7
Iceland	4	4	9.7
Iran, Islamic Rep. of	4	4	10.4
Israel	4	4	10.0
Italy	4	4	9.8
Kuwait	4	4	9.9
Latvia	4	4	11.0
Lithuania	4	4	10.9
Macedonia, Rep. of	4	4	10.7

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E 9.2: Population Coverage and Exclusions

Country	International Desired Population		National Desired Population		
	Coverage	Notes on Coverage	School-Level Exclusions	Within-Sample Exclusions	Overall Exclusions
Argentina	100%		3.7%	0.4%	4.1%
Belize	100%		0.8%	0.0%	0.8%
Bulgaria	100%		2.7%	0.0%	2.7%
Canada (O, Q)[1]	60%	Provinces of Ontario and Quebec only	3.1%	2.2%	5.4%
Colombia	100%		3.2%	0.1%	3.3%
Cyprus	100%		0.0%	2.0%	2.0%
Czech Republic	100%		5.0%	0.0%	5.0%
England	100%		1.8%	3.9%	5.7%
France	100%		5.1%	0.3%	5.3%
Germany	100%		0.8%	1.0%	1.8%
Greece	100%		2.0%	5.3%	7.3%
Hong Kong, SAR	100%		2.8%	0.0%	2.8%
Hungary	100%		2.1%	0.0%	2.1%
Iceland	100%		1.8%	1.3%	3.1%
Iran, Islamic Rep. of	100%		0.5%	0.0%	0.5%
Israel	100%		16.5%	5.9%	22.4%
Italy	100%		0.0%	2.9%	2.9%
Kuwait	100%		0.0%	0.0%	0.0%
Latvia	100%		4.3%	0.3%	4.6%
Lithuania	90%	Lithuanian speaking students only	1.3%	2.5%	3.8%
Macedonia, Rep. of	100%		3.8%	0.4%	4.2%
Moldova	100%		0.5%	0.0%	0.5%
Morocco	100%		1.0%	0.0%	1.0%
Netherlands	100%		3.4%	0.3%	3.7%
New Zealand	100%		1.6%	1.7%	3.2%
Norway	100%		1.9%	0.8%	2.8%
Romania	100%		2.6%	1.9%	4.5%
Russian Federation	100%		2.8%	3.8%	6.6%
Scotland	100%		3.8%	0.8%	4.7%
Singapore	100%		1.3%	0.1%	1.4%
Slovak Republic	100%		1.4%	0.6%	2.0%
Slovenia	100%		0.0%	0.3%	0.3%
Sweden	100%		2.5%	2.5%	5.0%
Turkey	100%		3.9%	0.0%	3.9%
United States	100%		0.6%	4.7%	5.3%

1 Canada is represented by the provinces of Ontario and Quebec only

[illegible][4] [illegible] 65 [illegible] ( ) [illegible] 100 [illegible]

[illegible] 10 [illegible] ([illegible]) [illegible] 5 [illegible] (7%). [illegible]

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	Schools					
Argentina	14 055	709 772	138	3 300	709 193	10.2
Belize	237	9 261	120	2 909	7 408	9.8

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$$A = \frac{\quad + \quad_1 + \quad_2 + \quad}{\quad + \quad_1 + \quad_2}$$

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9.3.4 T T 2 S (S 2)

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$$= 1.0$$

9.3.5 A2 S 2 N -P

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$$A = \frac{\quad + \quad}{\quad}$$

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9.3.6 O S

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9.4.3 Ja . 2 O P a R

$$\bar{x} = \frac{\sum}{+1+2}$$

$$\bar{x}^{-1} = \frac{\sum^{+1}}{+1+2}$$

$$\bar{x}^{-2} = \frac{\sum^{+1+2}}{+1+2}$$

9.4.5 2 S 2 P R

9.4.6 2 O P R

E 9.4: Categories of Sampling Participation

Category 1	Acceptable sampling participation rate **without** the use of replacement school. In order to be placed in this category, a country had to have: • An **unweighted** school response rate **without** replacement of at least 85% (after rounding to the nearest whole percent) AND an unweighted student response rate (after rounding) of at least 85%. OR • A **weighted** school response rate **without** replacement of at least 85% (after rounding to the nearest whole percent) AND a **weighted** student response rate (after rounding) of at least 85%. OR • The product of the (unrounded) **weighted** school response rate **without** replacement and the (unrounded) **weighted** student response rate of at least 75% (after rounding to the nearest whole percent). Countries in this category appeared in the tables and figures in international reports without annotation ordered by achievement as appropriate.
Category 2	Acceptable sampling participation rate **only when replacement schools were included**. A country was placed in category 2 if: • It failed to meet the requirements for Category 1 but had either an unweighted or weighted school response rate **without** replacement of at least 50% (after rounding to the nearest percent). AND HAD EITHER • An **unweighted** school response rate **with** replacement of at least 85% (after rounding to the nearest whole percent) AND an **unweighted** student response rate (after rounding) of at least 85%. OR • A **weighted** school response rate **with** replacement of at least 85% (after rounding to nearest whole percent) AND a **weighted** student response rate (after rounding) of at least 85%. OR • The product of the (unrounded) **weighted** school response rate **with** replacement and the (unrounded) **weighted** student response rate of at least 75% (after rounding to the neasest whole percent). Countries in this category were annotated in the tables and figures in international reports and ordered by achievement as appropriate.
Category 3	Unacceptable sampling response rate even when replacement schools are included. Countries that could provide documentation to show that they complied with PIRLS sampling procedures and requirements but did not meet the requirements for Category 1 or Category 2 were placed in Category 3. Countries in this category would appear in a separate section of the achievement tables, below the other countries, in international reports. These countries were presented in alphabetical order.

Country	Within School Student Participation (Weighted Percentage)				Number of Students Eligible		Number of Students Assessed
Argentina	91%	3 769	132	13	3 624	324	3 300

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E 9.9: Countries Participating in the Trends in IEA's Reading Literacy Study

Country	Country's Name for Grade Tested	Years of Formal Schooling	Mean Age of Students Tested
Greece	4	4	9.9
Hungary	3	3	9.7
Iceland	4	4	9.8
Italy	4	4	9.9
New Zealand	Year 5[1]	4	10.0
Singapore	Primary 3	3	9.1
Slovenia	3	3	9.8
Sweden	3	3	9.8
United States	4	4	10.2

1 The official nomenclature used in New Zealand since 1996 refers to students' years of schooling rather than a class/grade level. Year 5 students were at a class level equivalent to Grade 4.

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E 9.10: Population Coverage and Exclusions – Trends in IEA's Reading Literacy Study

Country	International Desired Population Coverage	National Desired Population		
		School-Level Exclusions	Within-Sample Exclusions	Overall Exclusions
Greece	100%	2.0%	4.0%	6.0%
Hungary	100%	1.8%	0.0%	1.8%
Iceland	100%	1.8%	2.0%	3.8%
Italy	100%	0.0%	3.4%	3.4%
New Zealand[1]	100%	1.6%	1.3%	2.9%
Singapore	100%	1.3%	0.0%	1.3%
Slovenia	100%	0.0%	0.9%	0.9%
Sweden	100%	2.5%	2.2%	4.7%
United States	100%	0.6%	3.9%	4.5%

1 The Maori school stratum was not part of the study.

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E 9.11: Population and Sample Sizes – Trends in IEA's Reading Literacy Study

Country	Population		Sample			Mean Age
	Schools	Students	Schools	Students	Estimated Student Population	
Greece	4 999	102 927	68	1 109	92 290	9.9
Hungary	2 700	113 594	216	4 707	116 164	9.7
Iceland	140	4 566	65	1 797	4 478	9.8
Italy	7 162	573 571	92	1 590	520 379	9.9
New Zealand[1]	1 925	59 097	73	1 188	58 236	10.0
Singapore	196	50 586	98	3 601	48 566	9.1
Slovenia	443	21 906	75	1 502	22 093	9.8
Sweden	4 040	124 986	148	5 361	114 977	9.8
United States	71 498	3 871 487	85	1 826	3 856 987	10.2

1 The Maori school stratum was not part of the study.

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E 9.12: School Participation Rates and Sample Sizes – Trends in IEA's Reading Literacy Study

Country	School Participation Before Replacement (Weighted Percentage)	School Participation After Replacement (Weighted Percentage)	Number of Schools in Original Sample	Number of Eligible Schools in Original Sample	Number of Schools in Original Sample That Participated	Total Number of Schools That Participated
Greece	73%	79%	85	85	63	68
Hungary	98%	98%	220	220	216	216
Iceland	93%	93%	70	70	65	65
Italy	89%	100%	92	92	81	92
New Zealand	90%	98%	75	75	67	73
Singapore	100%	100%	98	98	98	98
Slovenia	100%	100%	75	75	75	75
Sweden	96%	100%	150	150	142	148
United States	58%	85%	100	100	54	85