

Table R-1. Average scores for fourth-grade students in participating PIRLS jurisdictions on combined reading literacy scale, by jurisdiction: 2001 and 2006

Jurisdiction	2001		2006	
	Average	s.e.	Average	s.e.
Austria	—	—	538	2.2
Belgium (Flemish) ¹	—	—	547	2.0
Belgium (French)	—	—	500	2.6
Bulgaria	550	3.8	547	4.4
Canada, Alberta	—	—	560	2.4
Canada, British Columbia	—	—	558	2.6
Canada, Nova Scotia	—	—	542	2.2
Canada, Ontario ²	548	3.3	555	2.7
Canada, Quebec	537	3.0	533	2.8
Chinese Taipei	—	—	535	2.0
Denmark	—	—	546	2.3
England	553	3.4	539	2.6
France	525	2.4	522	2.1
Georgia	—	—	471	3.1
Germany	539	1.9	548	2.2
Hong Kong, SAR ³	528	3.1	564	2.4
Hungary	543	2.2	551	3.0
Iceland	512	1.2	511	1.3
Indonesia	—	—	405	4.1
Iran	414	4.2	421	3.1
Israel	509	2.8	512	3.3
Italy	541	2.4	551	2.9
Kuwait ⁴	—	—	330	4.2
Latvia	545	2.3	541	2.3
Lithuania	543	2.6	537	1.6
Luxembourg	—	—	557	1.1
Macedonia	442	4.6	442	4.1
Moldova	492	4.0	500	3.0
Morocco	350	9.6	323	5.9
Netherlands ¹	554	2.5	547	1.5
New Zealand	529	3.6	532	2.0
Norway ⁵	499	2.9	498	2.6
Poland	—	—	519	2.4
Qatar	—	—	353	1.1
Romania	512	4.6	489	5.0
Russian Federation	528	4.4	565	3.4
Scotland ¹	528	3.6	527	2.8
Singapore	528	5.2	558	2.9
Slovak Republic	518	2.8	531	2.8
Slovenia	502	2.0	522	2.1
South Africa	—	—	302	5.6
Spain	—	—	513	2.5
Sweden	561	2.2	549	2.3
Trinidad and Tobago	—	—	436	4.9
United States¹	542	3.8	540	3.5

—Not available. Did not participate in 2001.

¹Met guidelines for sample participation rates in 2006 only after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

²The 2001 estimates for Canada, Ontario exclude private schools because only public schools were included in the jurisdiction's 2001 sampling frame. The average score on the combined reading literacy scale in 2006 excluding private schools is 554 with a standard error of 2.8.

³Hong Kong, SAR, is a Special Administrative Region (SAR) of the People's Republic of China.

⁴Although Kuwait participated in 2001 and 2006, the IEA elected not to report the 2001 estimates for the country because of concerns about the quality of Kuwait's data.

⁵Did not meet guidelines for sample participation rates in 2006 after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

NOTE: Standard error is noted by s.e.

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2001 and 2006.

Table R-2. Average scores for fourth-grade students in participating PIRLS jurisdictions on literary subscale and informational subscale, by jurisdiction: 2001 and 2006

Jurisdiction	Literary subscale				Informational subscale			
	2001		2006		2001		2006	
	Average	s.e.	Average	s.e.	Average	s.e.	Average	s.e.
Austria	—	—	537	2.1	—	—	536	2.3
Belgium (Flemish) ¹	—	—	544	1.9	—	—	547	2.0
Belgium (French)	—	—	499	2.4	—	—	498	2.8
Bulgaria	550	3.9	542	4.5	551	3.6	550	4.4
Canada, Alberta	—	—	561	2.7	—	—	556	2.4
Canada, British Columbia	—	—	559	2.7	—	—	554	2.7
Canada, Nova Scotia	—	—	543	2.4	—	—	539	2.4
Canada, Ontario ²	551	3.3	555	3.0	542	3.2	552	3.0
Canada, Quebec	534	3.0	529	2.8	541	2.9	533	2.7
Chinese Taipei	—	—	530	2.0	—	—	538	1.8
Denmark	—	—	547	2.6	—	—	542	2.4
England	559	3.9	539	2.6	546	3.6	537	2.5
France	518	2.6	516	2.4	533	2.5	526	2.1
Georgia	—	—	476	3.2	—	—	465	3.6
Germany	537	1.9	549	2.2	538	1.9	544	2.3
Hong Kong, SAR ³	518	3.1	557	2.6	537	2.9	568	2.3
Hungary	548	2.0	557	2.9	537	2.2	541	3.1
Iceland	520	1.3	514	1.7	504	1.5	505	1.4
Indonesia	—	—	397	3.9	—	—	418	4.2
Iran	421	4.5	426	3.1	408	4.6	420	3.1
Israel	510	2.6	516	3.4	507	2.9	507	3.6
Italy	543	2.7	551	3.3	536	2.4	549	2.9
Kuwait ⁴	—	—	340	3.7	—	—	327	4.3
Latvia	537	2.2	539	2.4	547	2.3	540	2.4
Lithuania	546	3.1	542	1.9	540	2.7	530	1.6
Luxembourg	—	—	555	1.0	—	—	557	1.0
Macedonia	441	4.5	439	3.7	445	5.2	450	4.2
Moldova	480	3.7	492	2.8	505	4.7	508	3.0
Morocco	347	8.4	317	6.5	358	10.9	335	6.0
Netherlands ¹	552	2.5	545	1.8	553	2.6	548	1.6
New Zealand	531	3.9	527	2.1	525	3.8	534	2.2
Norway ⁵	506	2.7	501	2.5	492	2.8	494	2.8
Poland	—	—	523	2.5	—	—	515	2.2
Qatar	—	—	358	1.3	—	—	356	1.6
Romania	512	4.7	493	4.8	512	4.6	487	4.9
Russian Federation	523	3.9	561	3.3	531	4.3	564	3.3
Scotland ¹	529	3.5	527	2.6	527	3.6	527	2.6
Singapore	528	5.6	552	2.9	527	4.8	563	2.8
Slovak Republic	512	2.6	533	2.9	522	2.7	527	2.6
Slovenia	499	1.8	519	2.0	503	1.9	523	2.4
South Africa	—	—	299	5.2	—	—	316	5.1
Spain	—	—	516	2.7	—	—	508	2.9
Sweden	559	2.4	546	2.3	559	2.2	549	2.4
Trinidad and Tobago	—	—	434	4.6	—	—	440	4.6
United States¹	550	3.8	541	3.6	533	3.7	537	3.4

—Not available. Did not participate in 2001.

¹Met guidelines for sample participation rates only after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

²The 2001 estimates for Canada, Ontario exclude private schools because only public schools were included in the jurisdiction's 2001 sampling frame. The average score on the literary subscale in 2006 excluding private schools is 554 with a standard error of 3.1. The average score on the informational subscale in 2006 excluding private schools is 551 with a standard error of 3.1.

³Hong Kong, SAR, is a Special Administrative Region (SAR) of the People's Republic of China.

⁴Although Kuwait participated in 2001 and 2006, the IEA elected not to report the 2001 estimates for the country because of concerns about the quality of Kuwait's data.

⁵Did not meet guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

NOTE: Standard error is noted by s.e.

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2001 and 2006.

Table R-3. Percentage of fourth-grade students in United States and international median reaching PIRLS international benchmarks: 2006

Benchmark	United States		International Median
	Percent	s.e.	Percent
Low	96	0.6	94
Intermediate	82	1.4	76
High	47	2.0	41
Advanced	12	1.2	7

NOTE: The United States met guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling. Standard error is noted by *s.e.*

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-4. Average scores for fourth-grade students in participating PIRLS jurisdictions on combined reading literacy scale, by sex: 2006

Jurisdiction	Girls		Boys		Girl-boy difference	
	Average	s.e.	Average	s.e.	Average	s.e.
Austria	543	2.3	533	2.6	10	2.3
Belgium (Flemish) ¹	550	2.3	544	2.4	6	2.5
Belgium (French)	502	2.8	497	2.9	5	2.3
Bulgaria	558	4.4	537	5.0	21	3.8
Canada, Alberta	564	2.4	556	2.7	8	1.9
Canada, British Columbia	562	2.9	554	3.1	9	3.0
Canada, Nova Scotia	553	2.5	531	2.8	21	3.2
Canada, Ontario	562	3.3	549	3.3	13	3.8
Canada, Quebec	539	2.7	527	3.5	13	3.0
Chinese Taipei	542	2.2	529	2.3	13	1.9
Denmark	553	2.8	539	2.7	14	3.2
England	549	3.0	530	2.8	19	2.7
France	527	2.4	516	2.4	11	2.5
Georgia	480	3.3	463	3.8	17	3.2
Germany	551	2.5	544	2.5	7	2.6
Hong Kong, SAR ²	569	2.5	559	2.8	10	2.5
Hungary	554	3.6	548	2.9	5	2.6
Iceland	520	1.7	501	1.9	19	2.5
Indonesia	415	4.2	395	4.6	20	3.3
Iran	429	5.3	414	3.8	14	6.7
Israel	520	4.1	506	3.7	15	4.0
Italy	555	3.3	548	3.3	7	2.9
Kuwait	364	4.7	297	6.2	67	7.5
Latvia	553	2.7	530	2.6	23	2.7
Lithuania	546	2.0	528	2.0	18	2.2
Luxembourg	559	1.3	556	1.6	3	2.0
Macedonia	453	4.4	432	4.4	21	3.5
Moldova	507	3.1	493	3.5	14	2.5
Morocco	332	6.6	314	6.6	18	5.8
Netherlands ¹	551	2.0	543	1.6	7	2.2
New Zealand	544	2.2	520	2.9	24	3.1
Norway ³	508	2.8	489	3.1	19	3.2
Poland	528	2.6	511	2.7	17	2.6
Qatar	372	1.7	335	1.7	37	2.6
Romania	497	5.0	483	5.7	14	4.2
Russian Federation	572	3.9	557	3.4	15	2.9
Scotland ¹	538	3.6	516	3.1	22	3.8
Singapore	567	3.1	550	3.3	17	2.9
Slovak Republic	537	2.7	525	3.3	11	2.5
Slovenia	532	2.1	512	2.7	19	2.5
South Africa	319	6.3	283	5.5	36	4.6
Spain	515	2.6	511	3.1	4	2.8
Sweden	559	2.6	541	2.6	18	2.5
Trinidad and Tobago	451	4.9	420	6.0	31	5.6
United States¹	545	3.3	535	4.4	10	3.2
International average	509	0.6	492	0.6	17	0.5

¹Met guidelines for sample participation rates only after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

²Hong Kong, SAR, is a Special Administrative Region (SAR) of the People's Republic of China.

³Did not meet guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

NOTE: Standard error is noted by s.e. Differences were computed using unrounded numbers.

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-5. Average scores for fourth-grade students in participating PIRLS jurisdictions on literary subscale and informational subscale, by sex: 2006

Jurisdiction	Literary subscale				Informational subscale			
	Girls		Boys		Girls		Boys	
	Average	s.e.	Average	s.e.	Average	s.e.	Average	s.e.
Austria	543	2.6	531	2.4	540	2.7	533	2.6
Belgium (Flemish) ¹	547	2.2	541	2.3	550	2.4	545	2.2
Belgium (French)	504	2.6	495	2.8	499	3.3	497	3.0
Bulgaria	553	4.6	532	5.4	558	4.4	542	5.2
Canada, Alberta	567	2.9	556	3.0	559	2.5	553	2.8
Canada, British Columbia	565	3.0	553	3.2	556	3.3	551	2.8
Canada, Nova Scotia	552	3.4	534	2.6	549	2.8	529	3.0
Canada, Ontario	562	3.5	549	3.3	558	3.3	547	3.9
Canada, Quebec	536	3.1	523	3.4	539	2.7	528	3.6
Chinese Taipei	538	2.2	523	2.2	543	1.8	534	2.3
Denmark	554	3.0	541	3.1	547	2.8	536	3.1
England	550	3.1	528	2.7	545	2.8	529	2.9
France	523	2.6	510	2.7	531	2.7	521	2.3
Georgia	484	3.7	470	3.6	474	3.7	457	4.4
Germany	554	2.4	544	2.6	547	2.4	542	2.7
Hong Kong, SAR ²	564	2.6	551	3.3	572	2.2	564	2.8
Hungary	560	3.6	553	2.9	543	3.7	539	3.1
Iceland	525	2.4	504	1.9	514	1.9	497	2.1
Indonesia	408	4.0	387	4.4	427	4.6	409	5.0
Iran	432	5.3	421	4.0	429	4.9	412	3.8
Israel	524	4.0	509	3.8	513	4.5	502	4.1
Italy	556	3.6	548	3.6	551	3.1	547	3.4
Kuwait	372	4.5	310	5.2	361	6.3	292	6.0
Latvia	550	3.0	529	2.7	553	2.7	527	2.7
Lithuania	550	2.4	533	2.0	539	2.2	521	2.0
Luxembourg	557	1.4	552	1.4	557	1.2	556	1.5
Macedonia	449	4.3	429	4.0	460	4.6	440	4.4
Moldova	499	3.3	486	3.0	514	3.2	502	3.5
Morocco	326	6.9	310	7.4	344	6.1	326	6.9
Netherlands ¹	548	2.2	541	2.3	552	1.8	543	1.9
New Zealand	539	2.3	516	2.9	545	2.3	522	3.0
Norway ³	512	2.8	491	2.7	502	3.4	486	2.8
Poland	532	2.8	514	3.0	523	2.3	507	2.8
Qatar	376	1.8	341	2.3	374	2.3	339	2.3
Romania	501	4.9	485	5.6	494	5.2	481	5.4
Russian Federation	568	3.8	554	3.3	572	3.5	555	3.6
Scotland ¹	538	3.4	515	3.0	537	3.6	517	2.8
Singapore	560	3.2	544	3.4	572	2.9	555	3.3
Slovak Republic	539	2.9	527	3.5	532	2.5	522	3.3
Slovenia	529	2.3	511	2.6	533	2.4	514	3.2
South Africa	318	6.0	281	5.3	332	5.8	299	5.4
Spain	520	3.1	513	3.1	508	3.2	508	3.2
Sweden	557	2.7	536	2.6	557	2.9	541	2.6
Trinidad and Tobago	450	4.9	419	5.6	455	5.0	426	5.5
United States¹	547	3.6	534	4.1	542	3.1	532	4.4
International average	509	0.6	491	0.6	509	0.7	493	0.6

¹Met guidelines for sample participation rates only after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

²Hong Kong, SAR, is a Special Administrative Region (SAR) of the People's Republic of China.

³Did not meet guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

NOTE: Standard error is noted by s.e.

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-6. Average scores for U.S. fourth-grade students on combined reading literacy scale, literary subscale, and informational subscale, by race/ethnicity: 2006

Scale and race/ethnicity¹	Average	s.e.
Combined reading literacy scale		
White, non-Hispanic	560	3.1
Black, non-Hispanic	503	4.8
Hispanic	518	4.1
Asian, non-Hispanic	567	7.3
American Indian/Alaska Native, non-Hispanic	468	11.4
Other, non-Hispanic	573	17.5
Literary subscale		
White, non-Hispanic	562	3.2
Black, non-Hispanic	501	5.1
Hispanic	517	4.7
Asian, non-Hispanic	569	9.8
American Indian/Alaska Native, non-Hispanic	468	9.6
Other, non-Hispanic	567	14.2
Informational subscale		
White, non-Hispanic	555	3.3
Black, non-Hispanic	505	4.4
Hispanic	517	4.1
Asian, non-Hispanic	561	9.2
American Indian/Alaska Native, non-Hispanic	472	10.5
Other, non-Hispanic	571	16.2

¹The Other, non-Hispanic category includes Pacific Islander students and non-Hispanic students who identified multiple races. Students who identified themselves as being of Hispanic origin were classified as Hispanic, regardless of their race.

NOTE: Estimates for race/ethnicity in 2001 are not shown because the classification of racial/ethnic categories and procedures for collecting data on race/ethnicity changed between 2001 and 2006. The United States met guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-7. Average scores for U.S. fourth-grade students on combined reading literacy scale, literary subscale, and informational subscale, by control of school: 2006

Scale and control of school	Average	s.e.
Combined reading literacy scale		
Public	538	3.7
Private	561	5.1
Literary subscale		
Public	538	3.7
Private	562	4.6
Informational subscale		
Public	535	3.6
Private	559	4.5

NOTE: The United States met guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling. Standard error is noted by *s.e.*
SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-8. Percentage distribution and average scores of U.S. fourth-grade students in public schools on combined reading literacy scale, by school enrollment eligible for free or reduced-price lunch: 2006

School enrollment eligible for free or reduced-price lunch	Percent	s.e.	Average	s.e.
None	2	1.2	586	39.3
Some	87	2.9	543	3.4
All	11	2.7	493	6.5

NOTE: Results based on information collected from school administrators. The United States met guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling. Detail may not sum to totals because of rounding. Standard error is noted by *s.e.*
SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-9. Percentage of fourth-grade students in participating PIRLS jurisdictions attending schools with informal initiatives to encourage reading: 2006

Jurisdiction	Percent	s.e.
Austria	88	2.7
Belgium (Flemish) ¹	88	2.7
Belgium (French)	83	3.2
Bulgaria	52	4.9
Canada, Alberta	97	1.5
Canada, British Columbia	99	1.0
Canada, Nova Scotia	87	2.0
Canada, Ontario	94	2.5
Canada, Quebec	91	2.5
Chinese Taipei	95	2.0
Denmark	57	4.2
England	96	1.8
France	81	3.7
Georgia	75	3.9
Germany	87	2.4
Hong Kong, SAR ²	100	#
Hungary	82	3.1
Iceland	94	0.1
Indonesia	72	3.4
Iran	58	3.5
Israel	84	2.8
Italy	77	3.4
Kuwait	72	4.0
Latvia	80	3.4
Lithuania	64	3.5
Luxembourg	—	—
Macedonia	72	4.2
Moldova	67	4.1
Morocco	34	5.4
Netherlands ¹	68	4.7
New Zealand	84	2.8
Norway ³	82	4.0
Poland	90	2.5
Qatar	85	0.2
Romania	57	4.4
Russian Federation	76	3.0
Scotland ¹	96	1.8
Singapore	97	#
Slovak Republic	89	2.4
Slovenia	100	#
South Africa	69	3.1
Spain	85	2.9
Sweden	91	2.9
Trinidad and Tobago	83	3.2
United States¹	95	1.5
International average	80	0.5

—Not available.

#Rounds to zero.

¹Met guidelines for sample participation rates only after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

²Hong Kong, SAR, is a Special Administrative Region (SAR) of the People's Republic of China.

³Did not meet guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

NOTE: Results based on information collected from school administrators. Standard error is noted by s.e.

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-10. Average scores for U.S. fourth-grade students on combined reading literacy scale, by average number of hours spent on reading instruction each week: 2006

Average number of hours for reading instruction	Average	s.e.
Up to and including 3 hours	540	8.2
More than 3 and including 6 hours	546	5.4
More than 6 hours	538	4.1

NOTE: Results based on information collected from teachers. The United States met guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling. Standard error is noted by s.e.

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-11. Percentage distribution of fourth-grade students in participating PIRLS jurisdictions receiving reading instruction each week, by average number of hours spent on reading instruction each week: 2006

Jurisdiction	Up to and including 3 hours		More than 3 and including 6 hours		More than 6 hours	
	Percent	s.e.	Percent	s.e.	Percent	s.e.
Austria	67	3.3	28	3.4	4	1.3
Belgium (Flemish) ¹	61	4.5	26	4.0	12	2.7
Belgium (French)	39	3.6	36	3.2	25	3.3
Bulgaria	21	3.3	33	4.2	46	4.4
Canada, Alberta	30	3.7	40	3.4	30	3.4
Canada, British Columbia	24	3.7	36	4.4	40	4.0
Canada, Nova Scotia	24	3.0	34	3.7	42	3.5
Canada, Ontario	27	5.0	34	5.0	39	5.1
Canada, Quebec	37	4.6	43	4.9	20	3.8
Chinese Taipei	89	2.9	8	2.6	3	1.6
Denmark	43	3.9	31	3.7	25	3.8
England	67	4.3	25	4.0	8	2.3
France	23	3.1	48	4.1	29	3.8
Georgia	39	4.1	28	3.9	33	3.9
Germany	71	3.2	23	2.8	6	1.7
Hong Kong, SAR ²	74	4.1	22	3.6	5	2.0
Hungary	13	3.0	31	4.3	56	4.5
Iceland	59	0.4	30	0.4	10	0.2
Indonesia	69	3.7	23	3.0	8	2.5
Iran	38	3.8	35	3.8	27	3.2
Israel	52	4.7	24	4.7	24	4.5
Italy	51	3.8	30	3.7	19	3.1
Kuwait	41	4.5	32	4.5	27	3.7
Latvia	50	4.4	27	4.3	22	3.7
Lithuania	30	3.2	31	3.1	39	3.3
Luxembourg	46	0.2	39	0.2	16	0.1
Macedonia	50	4.4	33	4.0	17	3.0
Moldova	20	3.6	30	4.0	50	3.8
Morocco	56	4.6	31	4.3	14	3.0
Netherlands ¹	45	4.3	42	4.1	13	3.3
New Zealand	15	2.1	56	3.0	29	2.7
Norway ³	25	4.2	30	3.9	44	4.5
Poland	47	4.3	40	3.9	13	2.7
Qatar	32	0.3	31	0.2	38	0.3
Romania	20	3.7	26	3.6	54	4.1
Russian Federation	12	2.1	60	2.9	28	3.2
Scotland ¹	45	4.9	43	4.7	12	3.1
Singapore	64	2.7	19	2.1	17	2.1
Slovak Republic	21	3.0	43	3.6	37	3.1
Slovenia	69	3.1	16	2.2	14	2.4
South Africa	72	2.7	18	2.7	10	1.9
Spain	52	4.3	24	3.6	24	3.4
Sweden	55	4.1	27	4.0	18	3.1
Trinidad and Tobago	22	3.3	32	4.3	46	4.6
United States¹	10	2.7	22	3.0	68	3.4
International average	44	0.6	31	0.6	25	0.5

¹Met guidelines for sample participation rates only after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

²Hong Kong, SAR, is a Special Administrative Region (SAR) of the People's Republic of China.

³Did not meet guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

NOTE: Results based on information collected from teachers. Detail may not sum to totals because of rounding. Standard error is noted by s.e.

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-12. Percentage of fourth-grade students in participating PIRLS jurisdictions taught by certified teachers: 2006

Jurisdiction	Percent	s.e.
Austria	100	#
Belgium (Flemish) ¹	100	#
Belgium (French)	98	0.7
Bulgaria	100	#
Canada, Alberta	100	#
Canada, British Columbia	100	#
Canada, Nova Scotia	100	0.2
Canada, Ontario	100	#
Canada, Quebec	96	1.5
Chinese Taipei	98	1.4
Denmark	92	2.3
England	100	#
France	92	1.9
Georgia	93	1.9
Germany	99	0.6
Hong Kong, SAR ²	98	1.1
Hungary	99	0.5
Iceland	92	0.2
Indonesia	96	1.9
Iran	72	3.5
Israel	100	#
Italy	94	1.9
Kuwait	97	1.4
Latvia	—	—
Lithuania	100	#
Luxembourg	100	#
Macedonia	97	0.8
Moldova	96	1.6
Morocco	99	0.6
Netherlands ¹	100	0.4
New Zealand	100	#
Norway ³	100	0.4
Poland	100	#
Qatar	81	0.2
Romania	100	0.2
Russian Federation	100	#
Scotland ¹	100	#
Singapore	99	0.7
Slovak Republic	98	0.8
Slovenia	96	1.3
South Africa	99	0.7
Spain	—	—
Sweden	100	#
Trinidad and Tobago	97	1.2
United States¹	99	0.7
International average	97	0.2

—Not available.

#Rounds to zero.

¹Met guidelines for sample participation rates only after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.²Hong Kong, SAR, is a Special Administrative Region (SAR) of the People's Republic of China.³Did not meet guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

NOTE: Results based on information collected from teachers. Standard error is noted by s.e.

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-13. Average number of years teachers of fourth-grade students in participating PIRLS jurisdictions have taught, by years teaching all grades: 2006

Jurisdiction	Average (years)	s.e.
Austria	22	0.7
Belgium (Flemish) ¹	16	0.6
Belgium (French)	17	0.6
Bulgaria	21	0.6
Canada, Alberta	15	0.8
Canada, British Columbia	17	0.8
Canada, Nova Scotia	18	0.7
Canada, Ontario	12	0.9
Canada, Quebec	17	0.8
Chinese Taipei	12	0.6
Denmark	16	1.1
England	12	0.9
France	15	0.7
Georgia	20	0.9
Germany	20	0.9
Hong Kong, SAR ²	13	0.7
Hungary	21	0.7
Iceland	12	0.1
Indonesia	16	0.8
Iran	17	0.5
Israel	16	0.8
Italy	22	0.7
Kuwait	8	0.6
Latvia	21	0.8
Lithuania	21	0.6
Luxembourg	15	#
Macedonia	20	1.0
Moldova	24	0.9
Morocco	17	0.6
Netherlands ¹	17	1.0
New Zealand	12	0.6
Norway ³	16	1.0
Poland	20	0.5
Qatar	11	#
Romania	22	0.9
Russian Federation	22	0.6
Scotland ¹	16	1.1
Singapore	9	0.4
Slovak Republic	17	0.8
Slovenia	19	0.7
South Africa	15	0.4
Spain	22	0.9
Sweden	17	1.0
Trinidad and Tobago	19	0.7
United States¹	12	0.7
International average	17	0.1

#Rounds to zero.

¹Met guidelines for sample participation rates only after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

²Hong Kong, SAR, is a Special Administrative Region (SAR) of the People's Republic of China.

³Did not meet guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

NOTE: Results based on information collected from teachers. Standard error is noted by *s.e.*

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-14. Average number of years teachers of fourth-grade students in the United States and international average have taught, by years teaching all grades: 2001 and 2006

Jurisdiction	2001		2006	
	Average (years)	s.e.	Average (years)	s.e.
United States	15	0.9	12	0.7
International average	16	0.2	17	0.1

NOTE: Results based on information collected from teachers. The United States met guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling. Standard error is noted by *s.e.*

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2001 and 2006.

Table R-15. Percentage distribution of fourth-grade students in participating PIRLS jurisdictions who read stories or novels, by frequency of reading outside of school: 2006

Jurisdiction	Read stories or novels							
	Every day/almost every day		Once or twice a week		Once or twice a month		Never/almost never	
	Percent	s.e.	Percent	s.e.	Percent	s.e.	Percent	s.e.
Austria	23	0.9	23	0.8	18	0.7	37	1.1
Belgium (Flemish) ¹	31	0.9	34	0.9	21	0.8	14	0.8
Belgium (French)	28	0.9	27	0.8	18	0.7	27	0.9
Bulgaria	22	1.0	26	1.0	23	1.0	29	1.3
Canada, Alberta	53	1.2	27	0.9	12	0.7	8	0.6
Canada, British Columbia	57	1.2	26	0.7	11	0.7	6	0.6
Canada, Nova Scotia	54	1.0	26	0.8	12	0.5	8	0.5
Canada, Ontario	50	1.7	28	1.4	14	0.9	7	0.7
Canada, Quebec	44	1.4	28	0.8	16	0.9	12	0.9
Chinese Taipei	30	0.8	36	0.9	20	0.7	15	0.7
Denmark	29	1.1	26	0.8	20	0.8	25	1.1
England	33	1.2	30	1.0	20	0.7	17	0.8
France	32	1.0	30	0.8	19	0.6	19	0.9
Georgia	32	1.5	32	1.3	20	1.4	17	1.2
Germany	32	0.7	21	0.8	16	0.5	31	0.9
Hong Kong, SAR ²	36	0.9	40	0.8	17	0.7	7	0.5
Hungary	36	1.2	34	0.9	20	0.9	10	0.7
Iceland	42	0.9	27	0.8	16	0.6	15	0.6
Indonesia	22	1.0	36	1.1	16	0.7	25	1.2
Iran	25	0.9	43	1.3	22	0.9	10	1.0
Israel	46	1.0	32	0.8	15	0.6	7	0.5
Italy	22	1.2	20	1.0	15	0.8	43	1.3
Kuwait	33	1.2	40	1.0	19	0.8	8	0.7
Latvia	19	0.9	25	1.1	21	0.9	36	1.4
Lithuania	28	1.0	30	0.9	19	0.7	23	1.0
Luxembourg	24	0.6	24	0.6	21	0.5	31	0.6
Macedonia	44	1.5	35	1.3	16	1.1	5	0.4
Moldova	19	1.0	37	1.2	23	0.9	21	1.1
Morocco	27	1.2	36	1.5	21	1.5	16	2.5
Netherlands ¹	45	1.0	28	0.7	13	0.6	14	0.7
New Zealand	46	1.1	29	0.8	14	0.6	10	0.6
Norway ³	23	1.1	24	0.9	21	0.8	32	1.2
Poland	31	1.1	37	1.2	21	0.8	11	0.8
Qatar	37	0.6	37	0.6	15	0.4	10	0.4
Romania	27	1.4	34	1.3	23	1.3	16	1.1
Russian Federation	50	1.1	32	0.7	11	0.6	7	0.6
Scotland ¹	35	1.3	29	0.9	18	0.9	17	1.2
Singapore	44	1.1	33	0.8	15	0.5	8	0.4
Slovak Republic	15	0.7	21	0.9	21	0.7	43	1.1
Slovenia	21	0.8	29	0.8	23	0.8	28	0.9
South Africa	39	1.0	33	0.6	14	0.5	13	0.7
Spain	31	1.1	24	0.8	15	0.6	29	1.0
Sweden	30	0.9	33	0.9	22	0.8	15	0.8
Trinidad and Tobago	47	1.4	31	1.3	10	0.6	11	1.0
United States¹	36	1.3	28	0.8	18	0.7	18	0.9
International average	32	0.2	31	0.2	18	0.1	19	0.2

¹Met guidelines for sample participation rates only after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

²Hong Kong, SAR, is a Special Administrative Region (SAR) of the People's Republic of China.

³Did not meet guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

NOTE: Detail may not sum to totals because of rounding. Standard error is noted by s.e.

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-16. Percentage distribution of fourth-grade students in participating PIRLS jurisdictions who read for information, by frequency of reading outside of school: 2006

Jurisdiction	Read for information							
	Every day/almost every day		Once or twice a week		Once or twice a month		Never/almost never	
	Percent	s.e.	Percent	s.e.	Percent	s.e.	Percent	s.e.
Austria	15	0.7	43	1.0	31	0.8	12	0.7
Belgium (Flemish) ¹	4	0.4	29	1.0	42	0.8	25	0.8
Belgium (French)	13	0.7	40	0.8	31	0.7	16	0.8
Bulgaria	17	1.1	47	1.5	25	1.2	11	1.3
Canada, Alberta	10	0.6	43	0.9	34	0.8	13	0.6
Canada, British Columbia	9	0.6	39	1.0	38	0.8	14	0.7
Canada, Nova Scotia	12	0.6	42	1.0	33	0.8	13	0.6
Canada, Ontario	11	0.9	40	1.5	35	1.2	14	1.0
Canada, Quebec	10	0.6	37	1.1	35	1.1	18	1.0
Chinese Taipei	8	0.4	38	0.8	38	0.8	16	0.7
Denmark	6	0.5	30	1.0	40	0.9	25	1.1
England	10	0.7	44	1.0	35	1.1	11	0.7
France	12	0.7	40	0.8	34	0.9	14	0.6
Georgia	16	1.3	43	1.3	30	1.5	11	1.0
Germany	15	0.6	40	0.8	32	0.7	13	0.7
Hong Kong, SAR ²	12	0.5	43	0.8	32	0.8	13	0.6
Hungary	19	0.9	50	0.9	25	0.8	7	0.5
Iceland	8	0.4	33	0.8	36	0.7	22	0.7
Indonesia	19	0.9	50	1.1	25	1.0	6	0.9
Iran	11	0.8	40	1.5	35	1.2	14	1.2
Israel	21	0.8	44	1.0	25	1.0	10	0.6
Italy	11	0.8	40	0.8	36	1.0	14	0.8
Kuwait	30	1.4	50	1.1	16	0.9	3	0.6
Latvia	16	0.8	48	0.9	29	0.9	7	0.6
Lithuania	18	0.8	53	0.9	25	0.8	4	0.4
Luxembourg	6	0.3	33	0.6	41	0.6	20	0.4
Macedonia	33	1.3	48	1.1	16	1.2	2	0.3
Moldova	19	1.0	50	1.3	24	1.3	7	0.9
Morocco	13	1.2	45	1.6	28	1.4	14	1.8
Netherlands ¹	4	0.4	25	1.0	38	0.9	34	1.2
New Zealand	14	0.6	43	0.8	31	0.6	12	0.7
Norway ³	11	0.7	38	0.9	34	0.9	17	0.8
Poland	21	0.8	46	0.9	27	0.7	6	0.5
Qatar	33	0.6	49	0.6	15	0.4	3	0.2
Romania	16	1.0	49	1.4	26	1.1	9	1.0
Russian Federation	18	0.9	47	0.7	28	0.9	7	0.5
Scotland ¹	13	0.8	42	1.0	34	1.0	11	1.0
Singapore	16	0.5	47	0.8	28	0.7	8	0.3
Slovak Republic	20	1.0	50	0.9	24	0.8	6	0.6
Slovenia	18	0.6	49	0.9	26	0.7	8	0.5
South Africa	36	1.1	45	0.7	16	0.8	3	0.5
Spain	14	0.8	45	1.1	30	0.9	10	0.6
Sweden	9	0.7	33	1.0	36	0.8	23	1.1
Trinidad and Tobago	29	1.4	48	1.2	18	0.8	4	0.5
United States¹	14	0.6	43	0.9	33	1.0	10	0.6
International average	16	0.1	43	0.2	29	0.1	12	0.1

¹Met guidelines for sample participation rates only after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

²Hong Kong, SAR, is a Special Administrative Region (SAR) of the People's Republic of China.

³Did not meet guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

NOTE: Detail may not sum to totals because of rounding. Standard error is noted by s.e.

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-17. Average scores for fourth-grade students in participating PIRLS jurisdictions on combined reading literacy scale, by frequency of reading stories or novels outside of school: 2006

Jurisdiction	Read stories or novels							
	Every day/almost every day		Once or twice a week		Once or twice a month		Never/almost never	
	Average	s.e.	Average	s.e.	Average	s.e.	Average	s.e.
Austria	554	3.0	541	3.0	537	3.8	528	2.6
Belgium (Flemish) ¹	557	2.8	546	2.4	545	3.0	530	3.3
Belgium (French)	509	3.7	498	3.5	507	3.3	488	3.0
Bulgaria	558	6.4	555	4.9	555	6.0	529	5.2
Canada, Alberta	577	2.7	549	3.5	544	3.4	523	4.9
Canada, British Columbia	572	2.5	552	3.2	539	4.1	511	7.0
Canada, Nova Scotia	557	2.4	534	2.9	531	3.9	497	6.3
Canada, Ontario	566	3.2	548	3.0	544	5.1	520	7.5
Canada, Quebec	546	3.3	530	3.1	528	3.4	502	5.1
Chinese Taipei	549	2.7	541	2.4	531	3.2	505	3.1
Denmark	558	3.2	548	3.2	551	3.0	529	3.0
England	573	3.9	535	3.2	536	4.2	492	3.5
France	533	2.9	524	2.3	522	2.8	501	2.9
Georgia	467	3.5	479	3.5	484	6.8	459	5.6
Germany	566	3.0	547	3.7	550	3.6	535	2.6
Hong Kong, SAR ²	575	2.4	568	2.6	550	3.3	518	5.0
Hungary	554	4.6	553	3.5	553	2.9	535	6.7
Iceland	522	2.4	512	2.3	508	2.8	486	2.9
Indonesia	399	4.8	413	4.4	411	5.7	406	6.0
Iran	435	5.8	429	3.6	423	4.3	356	9.3
Israel	532	4.2	513	3.8	495	4.8	481	7.2
Italy	573	4.4	556	3.3	554	4.1	540	3.3
Kuwait	351	5.2	337	4.9	326	5.8	312	8.9
Latvia	558	4.0	548	3.6	544	3.6	526	2.5
Lithuania	542	2.5	538	2.5	540	2.6	528	2.4
Luxembourg	587	2.6	554	2.6	553	2.4	539	1.8
Macedonia	442	5.1	449	5.0	452	7.1	445	10.1
Moldova	499	4.4	503	3.7	504	4.1	493	4.4
Morocco	334	6.2	334	6.3	327	10.2	282	16.8
Netherlands ¹	558	2.0	542	1.8	540	2.2	531	3.2
New Zealand	556	2.3	526	2.6	513	3.9	473	4.2
Norway ³	509	3.2	501	3.5	503	5.1	488	3.5
Poland	524	3.3	524	3.1	516	3.7	504	4.6
Qatar	361	2.1	359	2.0	347	3.4	342	4.4
Romania	491	6.1	497	5.8	503	5.8	463	9.8
Russian Federation	568	3.6	565	3.6	563	4.9	548	5.4
Scotland ¹	555	4.2	525	3.3	521	3.8	484	4.8
Singapore	579	3.0	555	3.1	534	3.5	505	4.6
Slovak Republic	540	4.5	536	3.5	540	3.7	522	3.9
Slovenia	536	3.0	520	3.0	522	3.0	513	2.5
South Africa	308	7.0	310	6.7	302	6.6	294	7.2
Spain	511	3.7	515	3.0	523	3.7	508	3.2
Sweden	564	3.2	549	3.4	546	2.7	529	3.4
Trinidad and Tobago	452	5.8	431	6.6	420	7.1	408	7.2
United States¹	558	4.6	541	3.6	539	3.6	509	3.2
International average	512	0.6	503	0.6	500	0.7	479	0.9

¹Met guidelines for sample participation rates only after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

²Hong Kong, SAR, is a Special Administrative Region (SAR) of the People's Republic of China.

³Did not meet guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

NOTE: Standard error is noted by s.e.

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-18. Average scores for fourth-grade students in participating PIRLS jurisdictions on combined reading literacy scale, by frequency of reading for information outside of school: 2006

Jurisdiction	Read for information							
	Every day/almost every day		Once or twice a week		Once or twice a month		Never/almost never	
	Average	s.e.	Average	s.e.	Average	s.e.	Average	s.e.
Austria	526	3.3	540	2.7	540	2.7	543	4.3
Belgium (Flemish) ¹	532	5.7	544	2.8	549	2.3	550	2.1
Belgium (French)	480	4.6	498	2.9	506	3.1	510	3.6
Bulgaria	544	6.7	556	4.5	550	4.3	521	9.6
Canada, Alberta	543	4.2	560	2.7	566	2.8	565	4.2
Canada, British Columbia	541	5.3	557	3.3	564	3.1	561	4.2
Canada, Nova Scotia	523	4.5	545	2.6	552	2.7	533	4.0
Canada, Ontario	532	6.2	554	3.1	558	3.3	564	4.5
Canada, Quebec	520	3.9	532	3.3	536	3.6	539	4.2
Chinese Taipei	538	3.6	538	2.2	536	2.8	529	3.5
Denmark	526	5.7	539	3.1	549	2.6	557	3.7
England	502	5.5	537	2.8	556	3.2	537	5.8
France	506	4.0	520	2.2	527	3.0	530	3.8
Georgia	465	4.5	480	3.0	475	4.7	450	10.3
Germany	536	3.3	551	3.1	555	2.6	547	3.7
Hong Kong, SAR ²	554	4.0	569	2.6	567	2.5	550	3.5
Hungary	533	4.6	552	3.5	562	3.4	558	6.4
Iceland	496	4.9	511	2.0	515	2.1	514	2.2
Indonesia	409	5.4	409	4.4	407	5.1	391	8.0
Iran	435	6.7	436	3.8	421	4.0	374	9.4
Israel	499	5.4	510	4.0	532	3.9	549	5.1
Italy	539	6.3	554	3.1	554	3.7	552	4.8
Kuwait	342	5.6	343	4.5	329	6.4	295	15.3
Latvia	530	4.8	541	2.9	547	2.9	545	5.1
Lithuania	530	3.3	538	1.9	541	2.4	533	4.7
Luxembourg	542	4.1	555	2.0	560	1.6	559	2.3
Macedonia	440	5.4	453	4.4	447	6.3	—	—
Moldova	497	4.0	503	3.9	500	4.3	492	8.7
Morocco	324	7.5	326	6.8	331	9.1	310	12.6
Netherlands ¹	528	6.0	542	2.3	552	2.1	549	2.2
New Zealand	514	4.5	534	2.2	541	2.7	531	5.2
Norway ³	485	4.7	499	2.7	503	3.7	497	3.9
Poland	523	2.9	522	3.3	518	3.4	508	6.8
Qatar	359	1.9	355	1.7	359	3.5	345	7.6
Romania	493	6.1	500	5.4	490	5.5	444	12.7
Russian Federation	555	4.2	564	3.7	572	3.5	570	5.6
Scotland ¹	506	5.2	527	3.6	538	3.0	522	6.7
Singapore	558	3.5	561	3.2	561	3.4	538	4.4
Slovak Republic	527	4.2	539	2.5	530	4.3	492	15.3
Slovenia	510	3.3	519	2.6	533	2.9	524	4.9
South Africa	302	6.0	307	5.8	317	10.1	304	19.7
Spain	501	3.6	513	3.0	518	2.7	514	5.4
Sweden	539	6.0	550	2.8	553	2.7	548	3.0
Trinidad and Tobago	440	6.2	435	5.9	444	5.8	414	13.6
United States¹	519	4.5	538	3.5	553	4.0	546	5.3
International average	492	0.8	503	0.6	506	0.7	496	1.3

—Not available.

¹Met guidelines for sample participation rates only after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.²Hong Kong, SAR, is a Special Administrative Region (SAR) of the People's Republic of China.³Did not meet guidelines for sample participation rates after replacement schools were included. See appendix B for more information about participation rates and the use of replacement schools in sampling.

NOTE: Standard error is noted by s.e.

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.

Table R-19. Percentage of fourth-grade students in United States and internationally answering PIRLS sample items correctly: 2006

Figure	United States		Internationally	
	Percent	s.e.	Percent	s.e.
Figure A-1	83	1.3	77	0.3
Figure A-2	61	1.8	69	0.3
Figure A-3	79	1.5	67	0.3
Figure A-4	54	2.1	41	0.3
Figure A-5	22	1.5	16	0.2

NOTE: See Appendix A for the sample items. Standard error is noted by *s.e.*

SOURCE: International Association for the Evaluation of Educational Achievement, Progress in International Reading Literacy Study (PIRLS), 2006.