

Table A1.1.—Average combined reading literacy scale scores for fourth-graders with standard errors: 2001

Country	Average	s.e.
Argentina	420	5.9
Belize	327	4.7
Bulgaria	550	3.8
Canada (O,Q) <sup>5,3</sup>	544	2.4
Colombia	422	4.4
Cyprus	494	3.0
Czech Republic	537	2.3
England <sup>1,4a</sup>	553	3.4
France	525	2.4
Germany	539	1.9
Greece <sup>4a</sup>	524	3.5
Hong Kong, SAR <sup>6</sup>	528	3.1
Hungary	543	2.2
Iceland	512	1.2
Iran	414	4.2
Israel <sup>4b</sup>	509	2.8
Italy	541	2.4
Kuwait	396	4.3
Latvia	545	2.3
Lithuania <sup>3</sup>	543	2.6
Macedonia	442	4.6
Moldova	492	4.0
Morocco <sup>2</sup>	350	9.6
Netherlands <sup>1</sup>	554	2.5
New Zealand	529	3.6
Norway	499	2.9
Romania	512	4.6
Russian Federation <sup>4a</sup>	528	4.4
Scotland <sup>1</sup>	528	3.6
Singapore	528	5.2
Slovak Republic	518	2.8
Slovenia	502	2.0
Sweden	561	2.2
Turkey	449	3.5
United States <sup>1</sup>	542	3.8
International average	500	0.6

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

<sup>4a</sup> National Defined Population covers less than 95 percent of National Desired Population.

<sup>4b</sup> National Defined Population covers less than 80 percent of National Desired Population.

<sup>5</sup> Canada is represented by the provinces of Ontario and Quebec (O, Q) only.

<sup>6</sup> Hong Kong, SAR is a Special Administrative Region (SAR) of the People's Republic of China.

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

Table A1.2.—Average literary and informational subscale scores for fourth-graders with standard errors, by country: 2001

Literary Subscale			Informational Subscale		
Country	Average	s.e.	Country	Average	s.e.
Argentina	419	5.8	Argentina	422	5.4
Belize	330	4.9	Belize	332	4.9
Bulgaria	550	3.9	Bulgaria	551	3.6
Canada (O,Q) <sup>5,3</sup>	545	2.6	Canada (O,Q) <sup>5,3</sup>	541	2.4
Colombia	425	4.2	Colombia	424	4.3
Cyprus	498	2.5	Cyprus	490	3.0
Czech Republic	535	2.3	Czech Republic	536	2.7
England <sup>1,4a</sup>	559	3.9	England <sup>1,4a</sup>	546	3.6
France	518	2.6	France	533	2.5
Germany	537	1.9	Germany	538	1.9
Greece <sup>4a</sup>	528	3.3	Greece <sup>4a</sup>	521	3.7
Hong Kong, SAR <sup>6</sup>	518	3.1	Hong Kong, SAR <sup>6</sup>	537	2.9
Hungary	548	2.0	Hungary	537	2.2
Iceland	520	1.3	Iceland	504	1.5
Iran	421	4.5	Iran	408	4.6
Israel <sup>4b</sup>	510	2.6	Israel <sup>4b</sup>	507	2.9
Italy	543	2.7	Italy	536	2.4
Kuwait	394	3.8	Kuwait	403	4.5
Latvia	537	2.2	Latvia	547	2.3
Lithuania <sup>3</sup>	546	3.1	Lithuania <sup>3</sup>	540	2.7
Macedonia	441	4.5	Macedonia	445	5.2
Moldova	480	3.7	Moldova	505	4.7
Morocco <sup>2</sup>	347	8.4	Morocco <sup>2</sup>	358	10.9
Netherlands <sup>1</sup>	552	2.5	Netherlands <sup>1</sup>	553	2.6
New Zealand	531	3.9	New Zealand	525	3.8
Norway	506	2.7	Norway	492	2.8
Romania	512	4.7	Romania	512	4.6
Russian Federation <sup>4a</sup>	523	3.9	Russian Federation <sup>4a</sup>	531	4.3
Scotland <sup>1</sup>	529	3.5	Scotland <sup>1</sup>	527	3.6
Singapore	528	5.6	Singapore	527	4.8
Slovak Republic	512	2.6	Slovak Republic	522	2.7
Slovenia	499	1.8	Slovenia	503	1.9
Sweden	559	2.4	Sweden	559	2.2
Turkey	448	3.4	Turkey	452	3.8
United States <sup>1</sup>	550	3.8	United States <sup>1</sup>	533	3.7
International average	500	0.6	International average	500	0.7

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

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

Table A1.3.—Average combined reading literacy scale scores for fourth-graders by percentiles, by country: 2001

Country	5th percentile	25th-5th percentile difference	50th-25th percentile difference	75th-50th percentile difference	95th-75th percentile difference
Argentina	257	96	55	56	83
Belize	161	90	67	64	106
Bulgaria	400	102	41	48	65
Canada (O,Q) <sup>5,3</sup>	419	79	41	45	64
Colombia	287	81	45	48	72
Cyprus	352	89	47	51	67
Czech Republic	421	75	36	41	52
England <sup>1,4a</sup>	395	106	45	53	73
France	403	79	39	43	64
Germany	419	77	38	43	54
Greece <sup>4a</sup>	396	81	40	45	61
Hong Kong, SAR <sup>6</sup>	415	76	31	37	51
Hungary	428	74	37	41	55
Iceland	380	85	44	50	64
Iran	260	87	58	60	78
Israel <sup>4b</sup>	338	112	53	61	71
Italy	415	81	40	45	59
Kuwait	244	91	53	56	74
Latvia	440	65	35	37	54
Lithuania <sup>3</sup>	433	69	36	40	53
Macedonia	262	105	65	69	75
Moldova	359	86	39	44	65
Morocco <sup>2</sup>	168	98	64	59	112
Netherlands <sup>1</sup>	458	59	32	34	52
New Zealand	360	112	50	57	75
Norway	351	99	43	51	64
Romania	351	105	46	53	73
Russian Federation <sup>4a</sup>	412	76	31	37	53
Scotland <sup>1</sup>	378	98	45	51	72
Singapore	348	131	39	53	66
Slovak Republic	389	88	35	42	57
Slovenia	373	83	42	46	60
Sweden	445	77	35	39	58
Turkey	302	91	50	54	76
United States <sup>1</sup>	389	103	42	51	62
International average	360	89	50	54	67

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

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

Table A1.4.—Average standard deviation of fourth-grade students' scale scores on the combined reading literacy scale with standard errors, by country: 2001

Country	Standard deviation	s.e.
Argentina	96	2.5
Belize	106	2.4
Bulgaria	83	2.8
Canada (O,Q) <sup>5,3</sup>	72	1.1
Colombia	81	3
Cyprus	81	1.5
Czech Republic	64	1.2
England <sup>1,4a</sup>	87	1.7
France	70	1.5
Germany	67	1
Greece <sup>4a</sup>	73	1.6
Hong Kong, SAR <sup>6</sup>	63	1.7
Hungary	66	1.2
Iceland	75	1
Iran	92	1.8
Israel <sup>4b</sup>	94	2.1
Italy	71	1.4
Kuwait	89	2.3
Latvia	62	1.3
Lithuania <sup>3</sup>	64	1.3
Macedonia	103	2.3
Moldova	75	2.3
Morocco <sup>2</sup>	115	6.8
Netherlands <sup>1</sup>	58	1.3
New Zealand	93	1.9
Norway	81	1.6
Romania	90	2.7
Russian Federation <sup>4a</sup>	66	4.2
Scotland <sup>1</sup>	85	1.8
Singapore	92	3.7
Slovak Republic	70	1.7
Slovenia	72	1.1
Sweden	66	1.2
Turkey	86	1.6
United States <sup>1</sup>	83	2
International average	500	0.6

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

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

Table A1.5.—Percentage distribution of fourth-graders on the combined reading literacy scale by the PIRLS 2001 international benchmarks with standard errors, by country: 2001

Country	Top 10 percent		Upper quarter		Median		Lower quarter	
	Percent	s.e.	Percent	s.e.	Percent	s.e.	Percent	s.e.
Argentina	2	0.4	5	0.8	17	1.6	46	2.5
Belize	0	0.2	1	0.4	5	0.6	16	1.3
Bulgaria	21	1.3	45	1.9	72	1.9	91	1.1
Canada (O,Q) <sup>5,3</sup>	16	1.0	37	1.3	69	1.3	93	0.6
Colombia	1	0.4	3	0.8	14	1.5	45	2.4
Cyprus	6	0.8	18	1.3	45	1.6	77	1.4
Czech Republic	10	0.9	32	1.5	68	1.5	93	0.7
England <sup>1,4a</sup>	24	1.6	45	1.9	72	1.6	90	1.0
France	9	0.9	26	1.2	60	1.4	90	0.9
Germany	12	0.8	34	1.3	69	1.2	93	0.6
Greece <sup>4a</sup>	10	0.8	28	2.0	60	2.2	89	1.2
Hong Kong, SAR <sup>6</sup>	6	0.7	26	1.7	64	1.9	92	1.1
Hungary	13	0.9	36	1.5	71	1.2	94	0.6
Iceland	7	0.6	23	1.0	53	1.0	85	0.8
Iran	1	0.2	4	0.5	16	1.4	42	1.9
Israel <sup>4b</sup>	11	0.8	28	1.2	54	1.4	79	1.1
Italy	14	1.0	36	1.3	69	1.5	92	0.8
Kuwait	0	0.1	2	0.4	10	1.1	36	2.0
Latvia	12	1.1	36	1.6	73	1.5	96	0.6
Lithuania <sup>3</sup>	13	1.4	36	1.7	71	1.7	95	0.6
Macedonia	3	0.4	10	0.9	28	1.5	55	2.1
Moldova	4	0.9	15	1.8	42	2.5	79	1.7
Morocco <sup>2</sup>	1	0.9	3	1.4	8	2.1	23	3.0
Netherlands <sup>1</sup>	14	1.0	40	1.7	79	1.5	98	0.5
New Zealand	17	1.4	35	1.7	62	1.9	84	1.3
Norway	6	0.9	19	1.2	48	1.4	80	1.4
Romania	11	1.3	27	2.0	54	2.1	81	1.7
Russian Federation <sup>4a</sup>	8	1.0	27	2.1	64	2.3	92	1.6
Scotland <sup>1</sup>	14	1.1	32	1.8	62	1.8	87	1.1
Singapore	15	1.5	35	2.3	64	2.3	85	1.6
Slovak Republic	7	1.0	23	1.4	59	1.7	88	1.1
Slovenia	4	0.5	17	1.0	48	1.2	83	0.9
Sweden	20	1.1	47	1.4	80	1.3	96	0.5
Turkey	2	0.3	7	0.9	25	1.6	58	1.7
United States <sup>1</sup>	19	1.3	41	2.0	68	2.0	89	1.2

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

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

Table A1.6.—Average combined reading literacy scale scores for fourth-graders by sex, by country: 2001

Country	Girls		Boys		Girls-Boys difference	
	Average	s.e.	Average	s.e.	Average	s.e.
Argentina	428	6.2	410	6.5	18	4.7
Belize	341	5.3	314	5.2	27	4.8
Bulgaria	562	3.7	538	4.7	24	3.6
Canada (O,Q) <sup>5,3</sup>	553	2.6	535	2.4	17	2.1
Colombia	428	5.1	416	4.7	12	4.3
Cyprus	506	3.3	483	3.3	24	3.5
Czech Republic	543	2.8	531	2.7	12	2.8
England <sup>1,4a</sup>	564	3.9	541	3.7	22	3.3
France	531	2.7	520	3.0	11	3.3
Germany	545	2.2	533	2.5	13	2.7
Greece <sup>4a</sup>	535	3.8	514	4.1	21	3.9
Hong Kong, SAR <sup>6</sup>	538	3.0	519	3.5	19	2.9
Hungary	550	2.4	536	2.5	14	2.1
Iceland	522	1.9	503	1.8	19	2.4
Iran	426	5.7	399	5.6	27	8.1
Israel <sup>4b</sup>	520	3.4	498	3.7	22	4.3
Italy	545	2.6	537	2.7	8	2.5
Kuwait <sup>7</sup>	422	5.6	373	6.5	48	8.4
Latvia	556	3.1	534	2.6	22	3.4
Lithuania <sup>3</sup>	552	3.0	535	2.7	17	2.7
Macedonia	452	5.1	431	4.8	21	3.6
Moldova	504	4.7	479	4.0	25	4.0
Morocco <sup>2</sup>	361	9.6	341	10.9	20	6.8
Netherlands <sup>1</sup>	562	2.7	547	2.9	15	2.2
New Zealand	542	4.7	517	4.5	27	5.4
Norway	510	3.5	489	3.5	21	3.9
Romania	519	4.2	504	5.7	14	3.8
Russian Federation <sup>4a</sup>	534	4.3	522	4.8	12	2.3
Scotland <sup>1</sup>	537	3.9	519	4.2	17	4.0
Singapore	540	5.3	516	5.7	24	4.1
Slovak Republic	526	3.0	510	3.3	16	3.0
Slovenia	512	2.5	491	2.3	22	2.8
Sweden	572	2.6	550	2.5	22	2.6
Turkey	459	4.0	440	3.7	19	3.1
United States <sup>1</sup>	551	3.8	533	4.9	18	4.1
International average	510	0.7	490	0.7	20	0.7

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

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<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

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

Table A1.7.—Average literary and informational subscale scores for fourth-graders with standard errors, by sex, by country: 2001

Country	Literary subscale						Informational subscale					
	Girls		Boys		Girls-Boys difference		Girls		Boys		Girls-Boys difference	
	Average	s.e.	Average	s.e.	Average	s.e.	Average	s.e.	Average	s.e.	Average	s.e.
Argentina	429	6.2	408	6.2	21	4.6	429	6.0	415	5.9	15	4.9
Belize	340	5.3	320	5.6	20	5.1	349	5.1	316	5.9	32	5.0
Bulgaria	563	4.2	535	5.1	28	5.4	561	3.4	541	4.2	20	3.1
Canada (O,Q) <sup>5,3</sup>	554	3.0	535	2.7	19	2.2	549	3.0	534	2.6	16	2.7
Colombia	431	4.9	419	4.8	12	4.6	430	5.2	417	4.9	12	5.4
Cyprus	512	2.9	485	3.3	26	3.7	500	3.1	480	3.5	20	2.8
Czech Republic	543	2.7	528	2.7	14	2.8	541	3.3	532	3.1	9	3.5
England <sup>1,4a</sup>	574	4.9	544	4.0	30	4.3	554	4.0	537	4.0	17	3.5
France	524	2.9	513	3.2	11	3.2	540	2.9	527	3.1	12	3.3
Germany	544	2.1	529	2.4	14	2.5	543	2.5	533	2.1	10	2.6
Greece <sup>4a</sup>	539	3.8	516	3.7	23	3.5	529	3.9	513	4.4	15	3.8
Hong Kong, SAR <sup>6</sup>	528	3.4	507	3.4	21	3.4	546	2.8	529	3.6	17	3.1
Hungary	558	2.1	538	2.6	20	2.5	542	2.5	532	2.8	10	3.0
Iceland	531	1.9	509	1.7	21	2.4	512	1.9	496	2.0	16	2.6
Iran	433	5.7	406	6.4	28	8.7	419	6.4	395	6.1	24	8.8
Israel <sup>4b</sup>	521	3.3	498	3.2	23	3.9	518	3.5	495	3.6	23	4.2
Italy	549	2.7	538	3.3	11	2.8	539	2.7	533	2.6	6	2.6
Kuwait <sup>7</sup>	416	5.2	373	5.4	43	7.4	430	6.1	378	6.7	52	9.1
Latvia	548	2.8	527	2.2	21	2.4	558	2.8	537	2.6	22	2.8
Lithuania <sup>3</sup>	554	3.4	536	3.7	18	3.8	548	2.9	532	2.9	16	2.8
Macedonia	453	4.6	430	4.9	22	3.3	454	5.6	437	5.8	17	4.8
Moldova	492	4.3	468	3.6	23	3.4	516	5.5	494	4.7	23	4.5
Morocco <sup>2</sup>	358	8.5	340	9.1	19	5.1	370	10.8	349	1.9	20	6.3
Netherlands <sup>1</sup>	561	2.8	544	3.2	17	3.3	559	2.9	547	2.9	11	2.4
New Zealand	546	4.7	517	4.6	30	5.1	536	4.5	514	4.4	21	4.6
Norway	519	3.4	494	3.1	24	3.6	499	3.7	486	3.1	14	3.9
Romania	518	4.2	505	6.1	13	4.4	519	4.6	506	5.6	13	4.3
Russian Federation <sup>4a</sup>	531	3.9	517	4.3	14	2.9	536	4.5	527	4.6	9	2.8
Scotland <sup>1</sup>	538	4.0	519	4.1	19	3.9	534	4.3	520	4.1	14	4.4
Singapore	541	5.7	516	6.0	25	4.2	538	4.9	517	5.3	21	3.8
Slovak Republic	519	2.9	505	2.9	14	2.8	530	2.8	514	3.4	16	3.3
Slovenia	509	2.4	490	2.4	19	3.1	514	2.6	492	2.5	21	3.4
Sweden	572	2.9	547	2.6	25	2.8	568	2.8	550	2.6	18	3.2
Turkey	460	3.8	437	3.6	22	2.9	460	4.6	444	4.2	16	4.5
United States <sup>1</sup>	558	4.2	542	4.6	16	4.3	541	4.1	525	4.3	16	4.0
International average	511	0.7	490	0.7	21	0.7	509	0.7	491	0.8	18	0.8

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

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<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

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

Table A1.8.—Average U.S. fourth-grade reading scale scores on the combined reading literacy scale with standard errors, by race/ethnicity: 2001

Race/Ethnicity	Combined reading literacy scale		Literary subscale		Informational subscale	
	Average	s.e.	Average	s.e.	Average	s.e.
White	565	3.0	575	3.3	554	3.3
Black	502	5.8	505	5.6	498	6.3
Hispanic	517	5.7	523	6.3	512	5.9
Asian	551	13.6	552	14.7	548	13.4
Other	515	6.3	523	6.5	506	6.4

NOTE: The United States met guidelines for sample participation rates only after replacement schools were included.

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



Table A1.9.—Percentage distribution of U.S. fourth-graders by PIRLS 2001 international benchmarks with standard errors, by race/ethnicity: 2001

Race/Ethnicity	Lower quarter		Median		Upper quarter		Top 10 percent	
	Percent	s.e.	Percent	s.e.	Percent	s.e.	Percent	s.e.
White	5	0.8	21	1.8	51	2.0	25	1.5
Black	21	3.0	52	3.7	19	2.4	6	1.3
Hispanic	15	2.3	44	3.8	27	2.9	10	1.9
Asian	9	3.6	28	8.0	46	8.7	21	6.7
Other	20	2.1	47	3.6	29	3.0	11	2.1

NOTE: The United States met guidelines for sample participation rates only after replacement schools were included.

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

Table A1.10.—Average U.S. fourth-grade reading scale scores on the combined reading literacy scale with standard errors, by control of school: 2001

Control of school	Combined reading literacy scale	
	Average	s.e.
Public	538	4.3
Private	580	6.7

NOTE: The United States met guidelines for sample participation rates only after replacement schools were included.

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

Table A1.11.—Relationship between students attending schools with various percentages of students receiving a free or reduced-price lunch and combined reading literacy scale scores with standard errors: 2001

	Percent	s.e.	Average	s.e.
Less than 10 percent	10	3.4	589	7.0
10-24.99 percent	17	4.6	567	8.5
25-49.99 percent	34	5.1	551	5.3
50-74.99 percent	21	3.8	519	7.5
Greater than 75 percent	18	3.8	485	5.7

NOTE: The United States met guidelines for sample participation rates only after replacement schools were included.

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

Table A1.12.—Percentage distribution of U.S. fourth-graders by PIRLS 2001 international benchmarks with standard errors, by percentage of students receiving a free or reduced-price lunch: 2001

	Lower quarter		Median		Upper quarter		Top 10 percent	
	Percent	s.e.	Percent	s.e.	Percent	s.e.	Percent	s.e.
Less than 10 percent	98	1.1	91	1.9	64	6.5	34	6.3
10-24.99 percent	97	1.4	79	4.7	51	5.0	24	5.0
25-49.99 percent	92	2.1	73	2.6	46	2.9	20	2.0
50-74.99 percent	83	2.4	58	3.8	31	3.7	12	2.6
Greater than 75 percent	75	2.9	40	3.4	14	1.9	3	1.0

NOTE: The United States met guidelines for sample participation rates only after replacement schools were included.

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

Table A1.13.—Percentage of fourth-graders attending schools with emphases on reading with standard errors, by country: 2001

Country	Written statement of reading curriculum		Emphasis in curriculum on reading		Informal initiatives to encourage reading	
	Percent	s.e.	Percent	s.e.	Percent	s.e.
Argentina	56	4.4	95	1.9	80	3.6
Belize	14	3.9	88	4.0	55	7.3
Bulgaria	7	2.2	87	2.8	57	4.2
Canada (O,Q) <sup>5,3</sup>	27	3.3	84	2.6	94	1.6
Colombia	24	3.8	79	3.7	61	5.1
Cyprus	8	3.1	68	5.7	74	5.0
Czech Republic	29	4.5	66	4.0	67	3.7
England <sup>1,4a</sup>	73	4.3	86	3.3	95	2.1
France	46	5.3	73	4.9	79	4.4
Germany	25	3.8	37	4.1	86	3.1
Greece <sup>4a</sup>	11	2.3	81	4.1	61	4.7
Hong Kong, SAR <sup>6</sup>	57	4.0	80	3.4	97	1.4
Hungary	53	4.3	78	3.7	78	3.5
Iceland <sup>7</sup>	58	0.4	90	0.2	97	0.2
Iran	43	5.3	81	3.6	60	4.7
Israel <sup>4b</sup>	75	3.6	87	2.9	85	3.1
Italy	44	3.4	63	3.9	73	3.5
Kuwait	18	3.7	76	3.5	72	3.5
Latvia	7	1.9	89	2.6	76	3.1
Lithuania <sup>3</sup>	47	4.1	51	3.8	61	4.2
Macedonia	36	4.2	72	4.4	77	3.5
Moldova	15	3.0	85	3.0	74	4.2
Morocco <sup>2</sup>	17	3.7	96	1.8	41	5.1
Netherlands <sup>1</sup>	38	4.3	75	4.3	50	4.1
New Zealand	90	2.4	95	1.7	87	3.1
Norway	21	4.7	90	2.5	80	3.6
Romania	29	4.1	85	3.8	57	4.2
Russian Federation <sup>4a</sup>	5	2.2	63	4.0	64	3.3
Scotland <sup>1</sup>	93	2.5	81	3.9	91	3.1
Singapore	49	4.0	77	3.1	99	0.8
Slovak Republic	25	3.8	62	4.0	78	3.6
Slovenia	13	2.8	61	4.5	100	0.0
Sweden	65	4.7	89	2.3	87	2.9
Turkey	9	2.4	67	3.6	57	4.0
United States <sup>1</sup>	72	4.1	95	2.1	95	1.7
International average	37	0.6	78	0.6	76	0.6

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

<sup>4a</sup> National Defined Population covers less than 95 percent of National Desired Population.

<sup>4b</sup> National Defined Population covers less than 80 percent of National Desired Population.

<sup>5</sup> Canada is represented by the provinces of Ontario and Quebec (O, Q) only.

<sup>6</sup> Hong Kong, SAR is a Special Administrative Region (SAR) of the People's Republic of China.

<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

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

Table A1.14.—Percentage of fourth-graders by average number of hours of reading instruction each week with standard errors, by country: 2001

Country	Up to 3 hours		3-6 hours		More than 6 hours	
	Percent	s.e.	Percent	s.e.	Percent	s.e.
Argentina	30	4.3	25	4.0	45	4.7
Belize <sup>7</sup>	17	4.0	47	4.4	36	4.3
Bulgaria	14	2.8	56	3.9	31	3.4
Canada (O,Q) <sup>5,3</sup>	21	3.1	44	3.4	35	3.5
Colombia	27	3.6	33	4.8	40	4.9
Cyprus	42	5.7	23	4.7	36	5.2
Czech Republic	46	4.7	35	4.1	18	3.5
England <sup>1,4a</sup>	53	4.2	34	4.4	13	3.2
France	49	5.2	40	4.7	11	2.7
Germany <sup>7</sup>	60	3.3	28	3.2	12	2.4
Greece <sup>4a</sup>	37	4.9	26	4.3	36	4.3
Hong Kong, SAR <sup>6,7</sup>	76	4.1	21	3.9	3	1.7
Hungary	18	3.4	52	3.8	30	3.5
Iceland <sup>7</sup>	48	0.4	42	0.4	9	0.2
Iran	#	#	30	4.4	70	4.4
Israel <sup>4b,7</sup>	36	4.4	35	4.4	29	4.2
Italy	45	3.8	36	3.7	19	3.1
Kuwait <sup>7</sup>	46	4.9	36	4.3	18	3.0
Latvia	21	3.9	50	5.0	29	4.1
Lithuania <sup>3</sup>	21	3.7	33	4.2	46	4.4
Macedonia	100	#	#	#	#	#
Moldova	31	3.8	42	4.5	26	3.7
Morocco <sup>2,7</sup>	52	5.4	22	4.2	26	4.8
Netherlands <sup>1</sup>	49	4.8	47	4.8	5	1.9
New Zealand	18	3.5	55	4.5	27	4.1
Norway	32	4.5	35	4.5	33	4.8
Romania	11	2.8	26	3.7	63	4.1
Russian Federation <sup>4a</sup>	12	2.4	59	3.4	29	3.3
Scotland <sup>1</sup>	46	4.8	41	4.9	13	3.3
Singapore	58	3.7	17	2.3	25	3.3
Slovak Republic	13	2.9	51	4.2	35	3.7
Slovenia	61	4.4	26	3.8	13	3.1
Sweden	51	3.4	32	2.9	16	2.6
Turkey	39	4.6	31	4.3	30	4.1
United States <sup>1</sup>	7	2.2	28	4.3	65	4.9
International average	37	0.7	35	0.7	28	0.6

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

<sup>4a</sup> National Defined Population covers less than 95 percent of National Desired Population.

<sup>4b</sup> National Defined Population covers less than 80 percent of National Desired Population.

<sup>5</sup> Canada is represented by the provinces of Ontario and Quebec (O, Q) only.

<sup>6</sup> Hong Kong, SAR is a Special Administrative Region (SAR) of the People's Republic of China.

<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

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

Table A1.15.—Average combined reading literacy scale scores for fourth-graders by average number of hours of reading instruction each week with standard errors: 2001

Country	Up to 3 hours		3-6 hours		More than 6 hours	
	Average	s.e.	Average	s.e.	Average	s.e.
Argentina	437	10.1	432	11.7	402	10.0
Belize <sup>7</sup>	295	13.7	327	7.2	317	10.8
Bulgaria	558	9.4	552	5.1	541	8.4
Canada (O,Q) <sup>5,3</sup>	542	4.3	545	3.7	547	3.7
Colombia	442	10.0	413	8.7	421	6.7
Cyprus	489	5.4	497	6.1	499	4.6
Czech Republic	533	3.5	542	4.0	536	5.6
England <sup>1,4a</sup>	561	4.6	557	7.1	532	11.5
France	522	3.8	528	3.8	529	8.9
Germany <sup>7</sup>	542	2.9	537	3.5	530	8.7
Greece <sup>4a</sup>	524	5.8	537	7.2	522	6.0
Hong Kong, SAR <sup>6,7</sup>	528	4.3	536	7.6	513	28.4
Hungary	549	7.8	542	3.3	547	5.3
Iceland <sup>7</sup>	518	1.9	511	1.8	508	3.2
Iran	‡	‡	409	9.8	415	5.0
Israel <sup>4b,7</sup>	487	8.4	510	8.0	522	8.1
Italy	544	3.9	541	3.9	533	6.4
Kuwait <sup>7</sup>	400	7.7	399	9.3	397	13.7
Latvia	553	6.4	539	3.4	548	4.2
Lithuania <sup>3</sup>	549	5.1	543	5.9	542	4.0
Macedonia	443	4.4	‡	‡	‡	‡
Moldova	495	9.2	486	6.6	489	6.9
Morocco <sup>2,7</sup>	341	12.0	350	18.0	344	17.1
Netherlands <sup>1</sup>	553	3.9	556	3.8	535	11.7
New Zealand	518	11.1	534	4.8	526	8.2
Norway	499	5.8	500	4.7	496	5.4
Romania	503	14.8	492	8.0	523	6.3
Russian Federation <sup>4a</sup>	518	11.1	530	5.0	526	6.4
Scotland <sup>1</sup>	536	5.4	522	6.3	518	12.2
Singapore	538	7.4	513	12.1	521	9.2
Slovak Republic	512	8.4	520	4.6	519	5.0
Slovenia	501	2.6	499	5.3	503	6.3
Sweden	564	2.7	557	3.7	565	6.1
Turkey	448	7.6	450	6.8	448	7.0
United States <sup>1</sup>	537	19.0	543	8.5	540	4.2
International average	502	1.4	501	1.2	499	1.6

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

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<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

Table A1.16.—Percentage of fourth-graders taught by certified teachers with standard errors, by country: 2001

Country	Percent	s.e.
Argentina	94	2.5
Belize <sup>7</sup>	74	4.4
Bulgaria	100	0.0
Canada (O,Q) <sup>5,3</sup>	100	0.1
Colombia	94	1.7
Cyprus	94	2.8
Czech Republic	—	—
England <sup>1,4a</sup>	98	1.2
France	93	2.1
Germany	92	1.2
Greece <sup>4a</sup>	—	—
Hong Kong, SAR <sup>6</sup>	95	1.9
Hungary	73	3.9
Iceland	91	0.2
Iran	57	4.3
Israel <sup>4b</sup>	97	1.4
Italy	78	3.1
Kuwait	53	4.0
Latvia	92	2.3
Lithuania <sup>3</sup>	85	3.1
Macedonia	99	0.7
Moldova	43	4.6
Morocco <sup>2</sup>	89	2.8
Netherlands <sup>1</sup>	99	0.9
New Zealand	100	0.0
Norway	97	1.1
Romania	82	3.0
Russian Federation <sup>4a</sup>	96	1.4
Scotland <sup>1</sup>	99	0.8
Singapore	95	1.8
Slovak Republic	94	2.1
Slovenia	95	1.9
Sweden	93	1.6
Turkey	98	1.2
United States <sup>1</sup>	95	1.4
International average	89	0.4

— Data not available.

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

<sup>4a</sup> National Defined Population covers less than 95 percent of National Desired Population.

<sup>4b</sup> National Defined Population covers less than 80 percent of National Desired Population.

<sup>5</sup> Canada is represented by the provinces of Ontario and Quebec (O, Q) only.

<sup>6</sup> Hong Kong, SAR is a Special Administrative Region (SAR) of the People's Republic of China.

<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

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



Table A1.17.—Average number of years fourth-grade students' teachers have taught all grades and fourth grade with standard errors, by country: 2001

Country	Fourth grade		All grades	
	Average	s.e.	Average	s.e.
Argentina	3.4	0.3	13.7	0.9
Belize <sup>7, 8</sup>	3.0	0.2	11.8	1.4
Bulgaria	2.8	0.1	17.3	0.7
Canada (O,Q) <sup>5, 3</sup>	5.6	0.4	16.7	0.7
Colombia	5.5	0.5	17.1	0.9
Cyprus	2.7	0.2	10.3	0.9
Czech Republic	5.2	0.5	18.8	1.1
England <sup>1, 4a</sup>	4.8	0.4	14.3	1.0
France	8.9	0.7	17.8	0.8
Germany	8.0	0.3	23.4	0.7
Greece <sup>4a</sup>	4.3	0.3	15.5	0.8
Hong Kong, SAR <sup>6</sup>	4.5	0.4	12.9	0.9
Hungary	5.1	0.4	18.5	0.8
Iceland	2.7	0.0	13.1	0.1
Iran	6.4	0.4	14.4	0.6
Israel <sup>4b</sup>	4.8	0.4	14.5	0.7
Italy	4.5	0.2	21.8	0.7
Kuwait <sup>7</sup>	5.0	0.4	11.6	0.7
Latvia	4.1	0.3	19.6	1.1
Lithuania <sup>3</sup>	4.7	0.3	19.8	0.9
Macedonia <sup>7, 8</sup>	6.1	0.5	19.3	1.2
Moldova	4.4	0.3	18.6	0.8
Morocco <sup>2</sup>	6.3	0.6	16.3	0.7
Netherlands <sup>1</sup>	6.2	0.5	17.2	0.9
New Zealand	5.7	0.6	13.8	1.0
Norway	3.1	0.2	16.7	0.8
Romania	5.4	0.2	20.1	0.9
Russian Federation <sup>4a</sup>	5.1	0.3	19.4	0.8
Scotland <sup>1</sup>	5.0	0.5	18.0	1.0
Singapore	2.8	0.2	10.9	0.9
Slovak Republic	5.5	0.4	16.9	0.9
Slovenia	8.5	0.7	18.6	0.8
Sweden	6.6	0.5	15.9	0.8
Turkey	3.8	0.2	14.8	0.8
United States <sup>1</sup>	7.1	0.4	15.3	0.9
International average	5.1	0.1	16.4	0.2

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

<sup>4a</sup> National Defined Population covers less than 95 percent of National Desired Population.

<sup>4b</sup> National Defined Population covers less than 80 percent of National Desired Population.

<sup>5</sup> Canada is represented by the provinces of Ontario and Quebec (O, Q) only.

<sup>6</sup> Hong Kong, SAR is a Special Administrative Region (SAR) of the People's Republic of China.

<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

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

Table A1.18.—Percentage of fourth-grade students who read for fun outside of school with standard errors, by country: 2001

Country	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.
Argentina <sup>7</sup>	37	1.1	24	1.1	12	0.8	28	1.2
Belize	31	1.2	26	0.9	13	0.9	30	1.3
Bulgaria	51	1.6	28	1.0	11	1.0	10	1.0
Canada (O,Q) <sup>5,3</sup>	39	1.1	23	0.7	12	0.5	25	0.9
Colombia	49	1.8	26	1.0	10	0.6	15	1.0
Cyprus	46	1.1	31	1.0	12	0.9	12	0.9
Czech Republic	38	1.3	33	1.2	12	0.8	17	0.9
England <sup>1,4a</sup>	33	1.3	26	0.9	14	0.9	27	1.3
France	50	1.2	26	0.9	9	0.6	15	0.8
Germany	48	0.8	24	0.7	11	0.4	18	0.8
Greece <sup>4a</sup>	46	1.5	34	1.2	14	0.8	6	0.5
Hong Kong, SAR <sup>6</sup>	21	0.8	38	0.8	26	0.7	14	0.6
Hungary	40	1.2	33	1.0	16	0.8	11	0.6
Iceland	52	0.8	22	0.7	9	0.5	18	0.6
Iran	35	1.2	39	1.5	12	0.6	14	1.1
Israel <sup>4b</sup>	44	1.1	27	0.8	13	0.7	17	0.8
Italy	31	1.1	24	0.8	10	0.6	35	1.0
Kuwait <sup>7</sup>	33	0.8	37	1.0	17	0.7	13	0.6
Latvia	44	1.3	33	0.9	10	0.7	13	0.9
Lithuania <sup>3</sup>	53	1.5	31	1.3	10	0.7	6	0.6
Macedonia	47	1.5	28	1.0	12	1.3	13	0.9
Moldova	50	2.2	33	1.5	10	0.8	7	0.8
Morocco <sup>2</sup>	32	1.9	37	1.5	17	1.3	14	2.3
Netherlands <sup>1</sup>	37	1.2	20	0.8	10	0.6	34	1.1
New Zealand	43	1.4	23	0.9	13	0.7	20	1.1
Norway	39	1.1	28	0.9	12	0.6	22	1.0
Romania	28	1.8	30	1.2	16	1.2	27	1.8
Russian Federation <sup>4a</sup>	59	1.3	29	1.1	6	0.5	6	0.8
Scotland <sup>1</sup>	31	1.1	23	0.9	11	0.5	35	1.6
Singapore	30	1.2	23	0.6	14	0.4	33	1.1
Slovak Republic	40	1.2	33	0.9	14	0.8	13	0.8
Slovenia	45	1.3	29	0.9	12	0.7	14	0.9
Sweden	44	0.8	32	0.8	13	0.6	11	0.7
Turkey	38	1.1	36	1.0	13	0.6	13	0.7
United States <sup>1</sup>	35	1.2	22	1.0	12	0.7	32	1.0
International average	40	0.2	29	0.2	12	0.1	18	0.2

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

<sup>4a</sup> National Defined Population covers less than 95 percent of National Desired Population.

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<sup>5</sup> Canada is represented by the provinces of Ontario and Quebec (O, Q) only.

<sup>6</sup> Hong Kong, SAR is a Special Administrative Region (SAR) of the People's Republic of China.

<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

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

Table A1.19.—Average combined reading literacy scale scores of fourth-grade students who read for fun outside of school with standard errors, by country: 2001

Country	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.
Argentina <sup>7</sup>	424	6.9	436	6.0	418	10.2	428	6.6
Belize	336	6.9	327	6.5	311	8.3	332	7.0
Bulgaria	570	3.8	551	3.9	529	9.4	497	8.4
Canada (O,Q) <sup>5,3</sup>	571	2.9	543	2.7	527	3.0	513	2.6
Colombia	415	4.9	438	5.4	435	8.2	427	7.2
Cyprus	503	3.6	500	3.9	481	6.5	472	5.8
Czech Republic	555	3.1	540	2.2	524	3.9	504	4.2
England <sup>1,4a</sup>	583	4.1	554	4.8	555	4.3	516	4.4
France	548	2.7	517	3.6	506	4.8	483	3.9
Germany	555	2.2	535	2.4	525	3.2	517	3.2
Greece <sup>4a</sup>	533	4.3	524	4.7	516	5.2	491	10.3
Hong Kong, SAR <sup>6</sup>	539	3.3	532	3.4	525	3.4	511	4.2
Hungary	558	3.1	536	2.9	543	2.9	521	2.9
Iceland	533	1.9	508	2.5	489	4.9	479	2.7
Iran	415	4.8	423	5.4	408	5.6	396	4.8
Israel <sup>4b</sup>	528	3.6	511	4.2	497	6.4	484	4.3
Italy	561	3.2	546	3.1	537	5.1	521	3.0
Kuwait <sup>7</sup>	413	4.9	403	4.6	394	5.4	373	7.5
Latvia	561	2.8	539	3.1	540	4.7	515	3.6
Lithuania <sup>3</sup>	553	2.9	540	3.6	524	4.8	520	7.4
Macedonia	457	5.1	448	5.3	420	11.2	440	8.0
Moldova	501	4.3	490	4.7	484	8.0	467	8.2
Morocco <sup>2</sup>	337	9.8	353	9.4	362	14.8	385	15.3
Netherlands <sup>1</sup>	577	2.7	558	3.5	547	3.5	531	3.0
New Zealand	563	4.3	523	4.8	513	7.6	482	4.8
Norway	527	4.0	497	3.6	490	5.7	462	4.3
Romania	514	7.0	515	5.3	521	8.4	508	5.7
Russian Federation <sup>4a</sup>	533	4.1	527	5.9	509	7.2	512	5.3
Scotland <sup>1</sup>	558	4.3	533	5.0	532	6.0	500	4.0
Singapore	561	6.6	531	5.2	517	6.1	505	4.3
Slovak Republic	529	3.9	522	3.0	516	4.4	485	4.4
Slovenia	518	2.4	497	3.1	492	4.3	473	4.7
Sweden	579	2.7	556	3.0	547	3.2	523	3.5
Turkey	459	4.3	449	4.8	438	4.8	439	5.2
United States <sup>1</sup>	564	3.8	553	4.9	541	6.3	515	5.0
International average	515	0.8	502	0.8	492	1.1	478	1.0

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

<sup>4a</sup> National Defined Population covers less than 95 percent of National Desired Population.

<sup>4b</sup> National Defined Population covers less than 80 percent of National Desired Population.

<sup>5</sup> Canada is represented by the provinces of Ontario and Quebec (O, Q) only.

<sup>6</sup> Hong Kong, SAR is a Special Administrative Region (SAR) of the People's Republic of China.

<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

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

Table A1.20.—Average combined reading literacy scale scores for fourth-graders by frequency of reading stories or novels outside of school with standard errors, by country: 2001

Country	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.
Argentina	417	7.4	432	7.8	430	10.0	434	6.3
Belize	342	6.1	334	7.1	317	6.9	315	7.3
Bulgaria	571	5.0	555	4.1	558	4.8	519	7.0
Canada (O,Q) <sup>5,3</sup>	559	3.1	543	2.7	528	3.2	505	4.1
Colombia	413	4.8	430	6.1	445	7.3	436	7.4
Cyprus	504	4.7	497	3.3	496	4.6	472	5.6
Czech Republic	550	3.8	542	3.4	545	3.4	524	2.9
England <sup>1,4a</sup>	574	3.8	553	4.6	547	4.3	501	4.2
France	545	3.8	524	3.1	522	3.8	505	3.0
Germany	556	2.5	543	2.4	538	3.4	527	2.3
Greece <sup>4a</sup>	537	4.5	521	5.1	523	4.6	513	6.8
Hong Kong, SAR <sup>6</sup>	542	3.5	535	3.1	521	3.7	499	5.1
Hungary	551	3.3	541	2.8	543	2.4	532	3.9
Iceland	529	2.2	511	2.4	507	3.3	483	3.2
Iran	415	6.1	423	4.8	422	4.8	380	6.7
Israel <sup>4b</sup>	507	5.1	499	4.1	510	4.9	527	3.7
Italy	562	4.5	542	3.9	550	4.1	533	2.5
Kuwait <sup>7</sup>	414	4.5	406	4.6	397	6.4	371	8.4
Latvia	559	4.2	545	3.5	548	3.4	532	2.8
Lithuania <sup>3</sup>	551	3.6	544	3.3	556	4.3	526	4.0
Macedonia	447	5.5	448	6.1	441	7.7	414	10.8
Moldova	501	5.0	494	4.2	492	6.8	475	6.5
Morocco <sup>2</sup>	340	9.0	345	8.0	354	8.4	366	25.6
Netherlands <sup>1</sup>	565	2.8	551	2.5	548	3.6	530	3.9
New Zealand	556	4.7	527	4.3	509	5.8	457	7.8
Norway	519	5.5	499	3.7	505	4.3	488	3.9
Romania	503	5.4	517	5.2	527	6.0	489	7.8
Russian Federation <sup>4a</sup>	533	4.6	525	5.4	523	6.2	506	4.9
Scotland <sup>1</sup>	550	4.6	523	3.8	526	4.7	481	7.0
Singapore	553	4.9	517	4.8	492	6.1	464	7.8
Slovak Republic	531	4.9	525	3.8	524	3.3	509	3.8
Slovenia	515	3.1	501	3.2	497	3.6	496	3.4
Sweden	580	2.6	557	2.7	555	3.0	528	3.6
Turkey	459	4.3	454	4.1	441	5.2	403	7.1
United States <sup>1</sup>	560	4.0	548	4.3	548	5.5	505	6.0
International average	512	0.8	501	0.7	500	0.9	478	1.2

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

<sup>4a</sup> National Defined Population covers less than 95 percent of National Desired Population.

<sup>4b</sup> National Defined Population covers less than 80 percent of National Desired Population.

<sup>5</sup> Canada is represented by the provinces of Ontario and Quebec (O, Q) only.

<sup>6</sup> Hong Kong, SAR is a Special Administrative Region (SAR) of the People's Republic of China.

<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

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

Table A1.21.—Average combined reading literacy scale scores for fourth-graders by frequency of reading for information outside of school with standard errors, by country: 2001

Country	Every day/almost every day		Never/almost never	
	Average	s.e.	Average	s.e.
Argentina <sup>7</sup>	419	6.5	439	12.6
Belize	344	7.6	300	11.8
Bulgaria	560	4.8	494	12.0
Canada (O,Q) <sup>5,3</sup>	534	3.9	539	4.4
Colombia	405	5.5	435	14.2
Cyprus	485	4.9	461	10.9
Czech Republic	520	3.9	533	6.3
England <sup>1,4a</sup>	530	6.0	549	7.5
France	514	4.2	528	4.9
Germany	531	3.1	532	3.0
Greece <sup>4a</sup>	513	5.9	532	10.3
Hong Kong, SAR <sup>6</sup>	523	5.1	519	5.2
Hungary	536	3.2	536	5.6
Iceland	508	5.2	514	3.5
Iran	424	5.9	372	8.0
Israel <sup>4b</sup>	492	5.3	539	6.8
Italy	534	4.7	544	4.9
Kuwait <sup>7</sup>	410	4.9	372	12.3
Latvia	538	3.8	557	5.4
Lithuania <sup>3</sup>	537	3.7	‡	‡
Macedonia	445	5.5	‡	‡
Moldova	491	5.0	474	8.0
Morocco <sup>2</sup>	343	12.5	389	36.5
Netherlands <sup>1</sup>	530	6.8	558	2.9
New Zealand	515	6.2	528	8.1
Norway	485	6.1	491	6.3
Romania	510	5.3	454	10.8
Russian Federation <sup>4a</sup>	516	6.1	530	5.6
Scotland <sup>1</sup>	511	5.9	513	10.1
Singapore	533	5.6	508	9.6
Slovak Republic	514	4.9	481	10.7
Slovenia	501	3.3	480	7.5
Sweden	557	5.3	554	3.3
Turkey	465	4.8	385	15.1
United States <sup>1</sup>	527	5.1	544	7.7
International average	494	0.9	490	1.9

‡ Reporting standards not met.

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

<sup>4a</sup> National Defined Population covers less than 95 percent of National Desired Population.

<sup>4b</sup> National Defined Population covers less than 80 percent of National Desired Population.

<sup>5</sup> Canada is represented by the provinces of Ontario and Quebec (O, Q) only.

<sup>6</sup> Hong Kong, SAR is a Special Administrative Region (SAR) of the People's Republic of China.

<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

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

Table A1.22.—Percentage of fourth-grade students who never or almost never read types of texts outside of school with standard errors, by country: 2001

Country	Read stories of novels		Read for information		Read comic books	
	Percent	s.e.	Percent	s.e.	Percent	s.e.
Argentina <sup>8</sup>	29	1.3	6	0.6	23	1.1
Belize	25	1.6	9	0.8	39	2.1
Bulgaria	22	1.6	7	1.0	35	1.5
Canada (O,Q) <sup>5,3</sup>	10	0.6	10	0.5	36	0.9
Colombia	12	0.9	3	0.4	31	1.9
Cyprus	13	0.7	4	0.4	18	1.0
Czech Republic	37	1.3	7	0.7	33	1.2
England <sup>1,4a</sup>	13	0.8	8	0.6	31	1.2
France	22	1.0	11	0.6	21	0.8
Germany	38	1.0	13	0.6	29	0.8
Greece <sup>4a</sup>	12	0.8	5	0.5	18	0.9
Hong Kong, SAR <sup>6</sup>	12	0.6	8	0.5	27	0.8
Hungary	12	0.7	7	0.4	28	0.9
Iceland	16	0.5	18	0.7	23	0.8
Iran	14	1.3	10	0.9	21	1.4
Israel <sup>4b</sup>	28	1.3	8	0.5	21	0.8
Italy	51	1.1	11	0.6	27	0.8
Kuwait <sup>7,8,9</sup>	16	1.2	8	0.8	15	0.8
Latvia	30	1.0	4	0.4	30	1.1
Lithuania <sup>3</sup>	22	1.1	2	0.2	21	1.0
Macedonia	3	0.4	2	0.5	13	1.2
Moldova	11	1.1	7	1.1	13	1.7
Morocco <sup>2</sup>	23	2.4	17	2.9	14	2.4
Netherlands <sup>1</sup>	14	0.8	29	0.9	30	1.2
New Zealand	10	0.8	9	0.7	50	1.2
Norway	37	1.4	13	1.0	11	0.8
Romania	15	1.2	4	0.5	26	1.8
Russian Federation <sup>4a</sup>	6	0.6	5	0.7	37	1.1
Scotland <sup>1</sup>	13	0.9	8	0.7	31	1.2
Singapore	9	0.5	4	0.3	25	0.5
Slovak Republic	42	1.2	5	0.5	31	1.4
Slovenia	27	1.4	5	0.5	27	1.2
Sweden	11	0.6	22	0.9	19	0.8
Turkey	7	0.6	5	1.2	11	0.9
United States <sup>1</sup>	21	1.0	8	0.6	57	1.2
International average	19	0.2	9	0.1	26	0.2

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

<sup>4a</sup> National Defined Population covers less than 95 percent of National Desired Population.

<sup>4b</sup> National Defined Population covers less than 80 percent of National Desired Population.

<sup>5</sup> Canada is represented by the provinces of Ontario and Quebec (O, Q) only.

<sup>6</sup> Hong Kong, SAR is a Special Administrative Region (SAR) of the People's Republic of China.

<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

Table A1.23.—Percentage of fourth-graders who watch television or videos for five or more hours on a normal school day with standard errors, by country: 2001

Country	Percent	s.e.
Argentina	25	1.1
Belize	16	1.3
Bulgaria	15	0.9
Canada (O,Q) <sup>5,3</sup>	13	0.6
Colombia	17	1.1
Cyprus	13	0.9
Czech Republic	12	0.7
England <sup>1,4a</sup>	20	1.1
France	8	0.7
Germany	7	0.5
Greece <sup>4a</sup>	6	0.5
Hong Kong, SAR <sup>6</sup>	9	0.6
Hungary	12	0.8
Iceland	4	0.4
Iran	10	0.6
Israel <sup>4b</sup>	25	1.1
Italy	7	0.5
Kuwait <sup>7</sup>	9	0.5
Latvia	15	0.8
Lithuania <sup>3</sup>	12	0.9
Macedonia	8	0.8
Moldova	14	1.3
Morocco <sup>2</sup>	11	1.2
Netherlands <sup>1</sup>	14	1.0
New Zealand	16	1.0
Norway	5	0.5
Romania	10	0.8
Russian Federation <sup>4a</sup>	7	0.4
Scotland <sup>1</sup>	17	1.0
Singapore	10	0.6
Slovak Republic	17	1.0
Slovenia	11	1.0
Sweden	7	0.5
Turkey	6	0.6
United States <sup>1</sup>	18	1.4
International average	12	0.1

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

<sup>4a</sup> National Defined Population covers less than 95 percent of National Desired Population.

<sup>4b</sup> National Defined Population covers less than 80 percent of National Desired Population.

<sup>5</sup> Canada is represented by the provinces of Ontario and Quebec (O, Q) only.

<sup>6</sup> Hong Kong, SAR is a Special Administrative Region (SAR) of the People's Republic of China.

<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

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

Table A1.24.—Average number of hours fourth-grade students watch television or videos on a normal school day with standard errors, by country: 2001

Country	Average	s.e.
Argentina	2.6	0.1
Belize	1.8	0.1
Bulgaria	2.4	0.1
Canada (O,Q) <sup>5,3</sup>	2	0.0
Colombia	2	0.1
Cyprus	2	0.1
Czech Republic	2.2	0.0
England <sup>1,4a</sup>	2.6	0.1
France	1.7	0.0
Germany	1.6	0.0
Greece <sup>4a</sup>	1.4	0.0
Hong Kong, SAR <sup>6</sup>	2	0.1
Hungary	2	0.1
Iceland	1.2	0.0
Iran	1.7	0.0
Israel <sup>4b</sup>	2.6	0.1
Italy	1.5	0.0
Kuwait <sup>7</sup>	1.7	0.0
Latvia	2.4	0.0
Lithuania <sup>3</sup>	2.2	0.1
Macedonia	1.7	0.1
Moldova	2.2	0.1
Morocco <sup>2</sup>	1.6	0.1
Netherlands <sup>1</sup>	2.4	0.1
New Zealand	2.1	0.1
Norway	1.5	0.0
Romania	2.1	0.1
Russian Federation <sup>4a</sup>	1.7	0.0
Scotland <sup>1</sup>	2.3	0.1
Singapore	1.8	0.0
Slovak Republic	2.7	0.1
Slovenia	2	0.1
Sweden	2.2	0.0
Turkey	1.4	0.0
United States <sup>1</sup>	2.2	0.1
International average	2	0.0

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

<sup>4a</sup> National Defined Population covers less than 95 percent of National Desired Population.

<sup>4b</sup> National Defined Population covers less than 80 percent of National Desired Population.

<sup>5</sup> Canada is represented by the provinces of Ontario and Quebec (O, Q) only.

<sup>6</sup> Hong Kong, SAR is a Special Administrative Region (SAR) of the People's Republic of China.

<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

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



Table A1.25.—Average combined reading literacy scale scores for fourth-graders by frequency of watching television or videos on a normal school day with standard errors, by country: 2001

Country	Less than 1 hour		From 1 up to 3 hours		From 3 up to 5 hours		5 hours or more	
	Average	s.e.	Average	s.e.	Average	s.e.	Average	s.e.
Argentina	423	5.7	436	8.0	422	8.0	427	6.3
Belize	337	5.4	314	8.4	302	9.1	331	8.6
Bulgaria	542	4.6	564	4.6	552	5.4	542	5.3
Canada (O,Q) <sup>5,3</sup>	541	3.1	558	2.7	545	3.3	522	3.8
Colombia	415	4.4	440	6.0	427	7.7	431	6.3
Cyprus	495	3.2	502	4.7	500	5.0	477	6.6
Czech Republic	539	3.2	545	2.5	538	3.9	502	4.9
England <sup>1,4a</sup>	544	6.2	569	3.3	569	5.1	522	5.0
France	530	3.7	531	2.8	515	5.0	487	5.2
Germany	541	2.1	546	2.6	533	4.6	513	3.5
Greece <sup>4a</sup>	527	4.2	532	4.2	518	5.8	482	9.0
Hong Kong, SAR <sup>6</sup>	513	3.4	541	3.0	538	4.1	530	6.0
Hungary	546	2.7	554	2.9	539	3.7	514	3.7
Iceland	514	1.5	523	2.8	511	5.2	476	6.1
Iran	413	4.6	420	4.9	415	9.3	411	7.9
Israel <sup>4b</sup>	479	4.1	530	4.2	529	4.5	521	3.4
Italy	539	2.6	554	3.0	534	5.0	507	5.2
Kuwait	404	3.9	399	6.4	395	7.9	396	6.6
Latvia	537	4.0	556	3.1	553	3.8	520	4.0
Lithuania <sup>3</sup>	525	3.4	562	3.1	546	4.4	541	4.4
Macedonia	440	4.9	467	4.6	430	10.3	422	8.5
Moldova	480	4.6	506	5.3	494	6.0	492	5.1
Morocco <sup>2</sup>	358	11.0	342	7.2	336	10.7	346	17.1
Netherlands <sup>1</sup>	558	3.2	565	2.4	547	3.8	526	5.1
New Zealand	533	4.5	551	4.5	506	6.4	500	5.8
Norway	498	3.7	505	3.2	507	8.0	473	7.3
Romania	498	4.9	527	5.8	527	7.1	500	6.0
Russian Federation <sup>4a</sup>	526	4.4	536	4.7	528	6.7	513	6.0
Scotland <sup>1</sup>	521	5.0	545	4.2	539	5.0	505	4.5
Singapore	523	5.3	546	5.2	530	5.3	492	8.0
Slovak Republic	510	4.2	529	3.3	523	4.0	502	3.9
Slovenia	501	2.9	510	2.6	505	5.3	474	6.0
Sweden	564	2.8	566	2.4	556	4.2	527	5.4
Turkey	450	3.5	455	4.9	445	11.3	430	9.3
United States <sup>1</sup>	541	4.2	564	3.8	559	6.9	502	4.8
International average	497	0.7	511	0.8	500	1.1	482	1.1

<sup>1</sup> Met guidelines for sample participation rates only after replacement schools were included.

<sup>2</sup> Nearly satisfying guidelines for sample participation rates after replacement schools were included.

<sup>3</sup> National Desired Population does not cover all of International Desired Population because coverage falls below 65 percent.

<sup>4a</sup> National Defined Population covers less than 95 percent of National Desired Population.

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<sup>5</sup> Canada is represented by the provinces of Ontario and Quebec (O, Q) only.

<sup>6</sup> Hong Kong, SAR is a Special Administrative Region (SAR) of the People's Republic of China.

<sup>7</sup> The item response rate for this category is below 85 percent. Missing data has not been explicitly accounted for in the data.

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

Table A1.26.—Average combined reading literacy scale scores for fourth-graders with standard errors, by country: 1991 and 2001

Country	2001		1991		2001-1991 difference	
	Average	s.e.	Average	s.e.	Average	s.e.
Italy	513	4.4	500	5.4	12	6.9
Iceland	513	3.5	486	1.5	27	3.7
United States	511	6.3	521	3.2	-10	7.1
Greece	507	5.9	466	4.5	41	7.4
New Zealand	502	5.3	498	4.1	4	6.8
International	500	1.7	487	0.7	13	1.8
Sweden	498	3.9	513	4.2	-15	5.7
Slovenia	493	3.7	458	3.2	36	4.9
Singapore	489	8.0	481	3.6	8	8.7
Hungary	475	3.9	459	4.0	16	5.6

SOURCE: International Association for the Evaluation of Educational Achievement, IEA International Reading Literacy Study of 1991, 2001.