

Exhibit 6.2 and 6.3: School Emphasis on Academic Success

The *School Emphasis on Academic Success* scale was administered to both principals and teachers. Exhibit 6.2 presents the results based on the principals and Exhibit 6.3 the results based on the teachers. On average, 8 percent of the fourth grade students attended schools where the principal reported a **Very High Emphasis** on academic success, 54 percent schools with **High Emphasis**, and 38 percent schools with **Medium Emphasis**, with higher emphasis on academic success related to higher average reading achievement (531, 518, and 494, respectively).

The results based on teacher reports were nearly identical. On average, according to the teachers, 8 percent of the students attended schools with a **Very High Emphasis** on academic success, 55 percent schools with **High Emphasis**, and 37 percent schools with **Medium Emphasis**. As would be anticipated, higher average reading achievement also was associated with teachers' reports of higher emphasis on academic success (522, 518, and 497, respectively).

Exhibit 6.2: School Emphasis on Academic Success – Principals’ Reports

Students Categorized by Principals’ Reports

Students were scored according to their principals’ responses characterizing twelve aspects on the *School Emphasis on Academic Success* scale. Students in schools where their principals reported a **Very High Emphasis** on academic success had a score on the scale of at least 12.9, which corresponds to their principals characterizing six of the twelve aspects as “very high” and the other six as “high,” on average. Students in schools with a **Medium Emphasis** on academic success had a score no higher than 9.2, which corresponds to their principals characterizing six of the twelve aspects as “medium” and the other six as “high,” on average. All other students attended schools with a **High Emphasis** on academic success.

SOURCE: IEA’s Progress in International Reading Literacy Study – PIRLS 2016

Country	Very High Emphasis		High Emphasis		Medium Emphasis		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
United Arab Emirates	28 (1.9)	504 (7.3)	50 (2.5)	437 (4.2)	22 (1.8)	412 (6.8)	11.3 (0.07)
Qatar	25 (0.3)	468 (2.4)	62 (0.3)	439 (2.6)	13 (0.2)	405 (3.9)	11.6 (0.01)
England	24 (3.3)	572 (4.4)	62 (4.1)	559 (3.0)	15 (2.5)	535 (4.9)	11.3 (0.15)
Northern Ireland	23 (3.7)	571 (5.3)	67 (4.8)	565 (3.5)	9 (3.1)	547 (12.4)	11.7 (0.17)
Ireland	23 (3.0)	580 (3.6)	66 (4.0)	569 (2.9)	12 (2.9)	527 (5.9)	11.4 (0.17)
Bahrain	19 (1.7)	488 (5.1)	55 (2.8)	447 (3.1)	26 (2.5)	414 (5.5)	10.8 (0.11)
New Zealand	17 (3.1)	547 (5.1)	66 (3.9)	528 (3.2)	17 (2.8)	491 (9.5)	11.2 (0.14)
Saudi Arabia	16 (2.7)	468 (8.9)	54 (3.9)	438 (5.9)	30 (3.2)	397 (8.6)	10.5 (0.17)
Sweden	15 (3.5)	571 (5.1)	47 (4.1)	561 (3.8)	38 (4.0)	541 (3.2)	10.3 (0.20)
Australia	14 (2.3)	567 (6.0)	49 (3.8)	556 (3.8)	36 (2.9)	519 (4.4)	10.4 (0.15)
Oman	14 (1.9)	444 (9.6)	69 (2.6)	421 (3.7)	17 (2.1)	388 (8.5)	10.9 (0.10)
Iran, Islamic Rep. of	13 (2.7)	458 (11.4)	58 (3.8)	435 (4.6)	29 (3.3)	400 (10.8)	10.4 (0.18)
Singapore	12 (0.0)	615 (8.8)	59 (0.0)	576 (3.7)	30 (0.0)	560 (6.7)	10.4 (0.00)
Kuwait	11 (2.3)	433 (12.7)	54 (3.7)	409 (6.2)	35 (3.3)	359 (6.5)	10.2 (0.16)
United States	11 (1.9)	574 (8.4)	52 (4.2)	555 (4.4)	36 (4.1)	533 (5.1)	10.1 (0.17)
Kazakhstan	11 (2.4)	537 (8.8)	76 (3.2)	538 (3.0)	14 (2.7)	524 (8.2)	11.0 (0.14)
Israel	10 (2.5)	536 (12.6)	70 (3.9)	538 (4.0)	20 (3.5)	499 (9.5)	10.6 (0.14)
Malta	9 (0.1)	462 (5.1)	61 (0.1)	453 (2.1)	30 (0.1)	447 (2.6)	10.4 (0.01)
Lithuania	8 (2.2)	584 (3.8)	70 (3.7)	552 (3.1)	21 (3.1)	522 (6.7)	10.5 (0.12)
Chinese Taipei	8 (2.1)	575 (5.7)	69 (4.0)	561 (2.1)	24 (3.4)	546 (4.5)	10.6 (0.14)
Canada	8 (1.0)	564 (4.8)	63 (2.9)	551 (2.5)	30 (2.7)	523 (3.1)	10.3 (0.09)
Austria	7 (1.9)	569 (6.1)	66 (3.9)	547 (2.5)	28 (3.8)	519 (5.1)	10.3 (0.12)
Denmark	6 (1.8)	568 (6.2)	50 (3.6)	551 (3.2)	43 (3.7)	539 (3.2)	9.8 (0.13)
Spain	6 (1.1)	557 (4.8)	61 (2.6)	531 (1.6)	33 (2.2)	516 (3.8)	10.1 (0.08)
Poland	6 (2.0)	583 (15.0)	58 (4.2)	570 (2.6)	36 (3.7)	554 (3.9)	9.9 (0.12)
South Africa	5 (1.8)	396 (26.6)	37 (3.7)	311 (8.4)	58 (3.7)	319 (6.0)	9.2 (0.17)
Egypt	5 (1.7)	378 (9.7)	50 (4.2)	344 (10.0)	45 (4.2)	310 (8.1)	9.5 (0.18)
Finland	4 (1.7)	592 (8.2)	69 (4.2)	566 (2.4)	26 (3.9)	562 (4.4)	10.2 (0.13)
France	4 (1.7)	523 (12.3)	61 (4.0)	513 (3.0)	35 (3.5)	508 (4.9)	10.0 (0.13)
Bulgaria	4 (1.7)	596 (11.7)	49 (4.3)	572 (4.3)	47 (4.1)	526 (6.4)	9.5 (0.14)
Azerbaijan	4 (1.7)	461 (36.1)	48 (4.0)	481 (7.0)	48 (4.1)	464 (5.5)	9.5 (0.15)
Hungary	3 (1.6)	621 (6.7)	44 (3.9)	564 (5.1)	53 (3.6)	540 (3.9)	9.2 (0.11)
Latvia	3 (1.4)	548 (11.9)	64 (4.1)	565 (2.3)	33 (4.0)	546 (3.3)	10.0 (0.11)
Portugal	3 (1.3)	562 (6.9)	48 (3.8)	534 (3.8)	49 (3.6)	520 (3.3)	9.3 (0.10)
Chile	3 (1.2)	529 (17.0)	26 (3.9)	515 (6.1)	71 (3.9)	485 (3.3)	8.0 (0.19)
Slovenia	2 (1.6)	~ ~	44 (4.5)	547 (3.7)	53 (4.5)	538 (2.4)	9.4 (0.13)
Italy	2 (0.8)	~ ~	39 (3.9)	552 (3.5)	58 (3.8)	547 (3.0)	9.1 (0.11)
Russian Federation	2 (1.0)	~ ~	48 (3.8)	594 (3.8)	49 (3.6)	568 (3.9)	9.5 (0.10)
Hong Kong SAR	2 (1.2)	~ ~	56 (4.0)	571 (3.7)	42 (3.9)	566 (4.7)	9.6 (0.11)
Morocco	2 (1.0)	~ ~	17 (1.9)	429 (7.0)	81 (2.0)	341 (4.3)	8.0 (0.11)
Trinidad and Tobago	2 (1.4)	~ ~	32 (3.9)	513 (5.4)	66 (3.9)	469 (4.2)	8.7 (0.15)
Norway (5)	2 (1.1)	~ ~	56 (4.5)	566 (2.8)	42 (4.4)	548 (3.2)	9.6 (0.14)
Georgia	2 (1.0)	~ ~	46 (3.6)	492 (4.6)	52 (3.6)	485 (3.5)	9.4 (0.11)
Netherlands	2 (1.2)	~ ~	46 (4.6)	552 (2.9)	52 (4.6)	540 (2.7)	9.3 (0.12)
Belgium (Flemish)	2 (0.9)	~ ~	62 (3.8)	532 (2.5)	36 (3.7)	515 (3.7)	9.7 (0.11)
Germany	2 (1.1)	~ ~	62 (3.5)	552 (3.0)	37 (3.3)	509 (7.9)	9.7 (0.09)
Belgium (French)	1 (0.8)	~ ~	51 (4.3)	512 (3.1)	48 (4.1)	483 (3.9)	9.3 (0.11)
Czech Republic	1 (0.9)	~ ~	35 (3.8)	550 (3.2)	64 (3.9)	540 (2.7)	8.9 (0.12)
Slovak Republic	1 (0.7)	~ ~	33 (3.7)	556 (4.4)	66 (3.8)	524 (4.7)	8.9 (0.09)
Macao SAR	0 (0.0)	~ ~	63 (0.1)	553 (1.3)	37 (0.1)	533 (1.6)	9.6 (0.00)
International Avg.	8 (0.3)	531 (1.9)	54 (0.5)	518 (0.6)	38 (0.5)	494 (0.8)	

This PIRLS questionnaire scale was established in 2016 based on the combined response distribution of all countries that participated in PIRLS 2016. To provide a point of reference for country comparisons, the scale centerpoint of 10 was located at the mean of the combined distribution. The units of the scale were chosen so that 2 scale score points corresponded to the standard deviation of the distribution.

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

A tilde (~) indicates insufficient data to report achievement.

An “r” indicates data are available for at least 70% but less than 85% of the students.

Exhibit 6.2: School Emphasis on Academic Success – Principals’ Reports (Continued)

Country	Very High Emphasis		High Emphasis		Medium Emphasis		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Benchmarking Participants							
Dubai, UAE	47 (0.3)	541 (3.0)	39 (0.3)	501 (2.5)	15 (0.2)	471 (3.8)	12.2 (0.01)
Abu Dhabi, UAE	12 (2.2)	491 (13.1)	58 (4.1)	411 (6.2)	30 (3.8)	392 (10.4)	10.5 (0.14)
Madrid, Spain	11 (2.1)	574 (8.2)	57 (4.3)	552 (2.0)	31 (3.8)	533 (3.0)	10.3 (0.15)
Ontario, Canada	8 (1.3)	562 (7.9)	63 (4.8)	551 (4.1)	29 (4.6)	524 (5.3)	10.3 (0.15)
Denmark (3)	6 (1.6)	509 (10.6)	50 (3.8)	507 (3.8)	44 (4.1)	491 (4.4)	9.8 (0.14)
Andalusia, Spain	6 (1.9)	549 (6.5)	61 (3.9)	530 (2.4)	33 (3.9)	512 (4.7)	10.0 (0.14)
Buenos Aires, Argentina	5 (1.9)	467 (19.8)	47 (3.5)	503 (4.4)	48 (3.5)	461 (5.4)	9.5 (0.15)
Eng/Afr/Zulu - RSA (5)	4 (2.3)	440 (60.9)	35 (5.7)	429 (12.7)	60 (5.7)	396 (9.0)	9.3 (0.27)
Quebec, Canada	3 (1.5)	555 (15.6)	68 (4.7)	554 (3.3)	29 (4.9)	532 (6.1)	10.2 (0.21)
Norway (4)	2 (1.3)	~ ~	58 (4.3)	522 (2.7)	40 (4.2)	510 (2.6)	9.6 (0.13)
Moscow City, Russian Fed.	2 (1.1)	~ ~	69 (4.0)	616 (2.6)	29 (3.8)	601 (3.6)	9.9 (0.10)

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

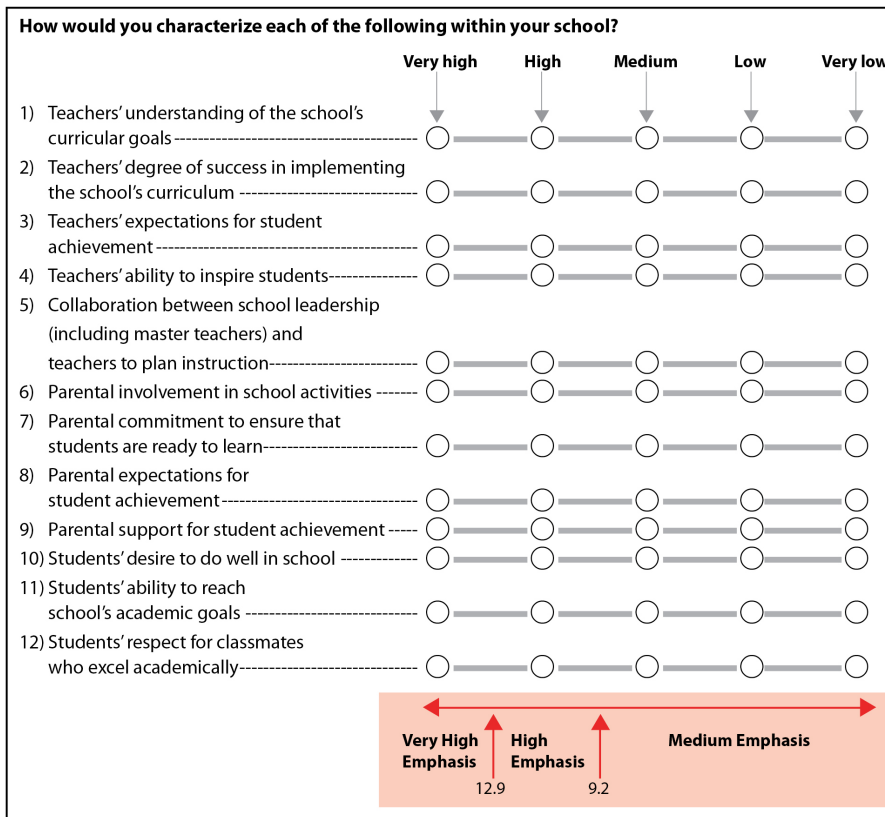


Exhibit 6.3: School Emphasis on Academic Success – Teachers' Reports

Students Categorized by Teachers' Reports

Students were scored according to their teachers' responses characterizing twelve aspects on the *School Emphasis on Academic Success* scale. Students in schools where their teachers reported a **Very High Emphasis** on academic success had a score on the scale of at least 12.8, which corresponds to their teachers characterizing six of the twelve aspects as "very high" and the other six as "high," on average. Students in schools with a **Medium Emphasis** on academic success had a score no higher than 9.2, which corresponds to their teachers characterizing six of the twelve aspects as "medium" and the other six as "high," on average. All other students attended schools with a **High Emphasis** on academic success.

Country	Very High Emphasis		High Emphasis		Medium Emphasis		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Oman	26 (2.6)	441 (6.3)	60 (3.2)	411 (4.1)	14 (2.1)	407 (8.5)	11.4 (0.14)
United Arab Emirates	24 (2.1)	485 (7.8)	59 (2.6)	452 (4.6)	17 (1.7)	409 (6.2)	11.3 (0.10)
Qatar	23 (2.2)	459 (7.9)	63 (2.4)	438 (3.6)	14 (1.6)	435 (9.7)	11.5 (0.12)
Bahrain	22 (2.0)	482 (5.8)	53 (2.8)	445 (3.4)	25 (2.5)	417 (7.1)	10.9 (0.16)
Kazakhstan	21 (2.8)	535 (7.1)	74 (3.1)	536 (3.2)	5 (1.4)	547 (14.3)	11.6 (0.12)
England	19 (2.6)	568 (4.4)	62 (3.7)	559 (2.6)	18 (3.1)	548 (4.7)	11.0 (0.14)
Northern Ireland	19 (3.1)	579 (5.6)	68 (3.9)	561 (3.0)	14 (3.0)	556 (8.2)	11.4 (0.15)
Ireland	16 (2.7)	579 (6.7)	67 (3.5)	571 (2.9)	17 (2.6)	539 (6.1)	11.0 (0.16)
South Africa	15 (2.6)	324 (10.3)	42 (3.7)	326 (8.9)	43 (3.8)	313 (8.5)	10.1 (0.20)
Saudi Arabia	15 (2.5)	451 (10.8)	53 (3.9)	442 (5.8)	32 (3.7)	403 (8.9)	10.3 (0.17)
Australia	15 (2.1)	584 (6.7)	59 (3.1)	546 (3.0)	27 (2.7)	523 (4.4)	10.6 (0.14)
Israel	14 (3.2)	540 (12.9)	66 (3.6)	533 (3.9)	20 (3.0)	515 (10.3)	10.7 (0.17)
New Zealand	13 (2.3)	545 (6.9)	65 (2.8)	532 (3.0)	23 (2.5)	501 (5.7)	10.7 (0.13)
Kuwait	12 (3.4)	407 (21.0)	61 (4.4)	400 (6.0)	27 (3.7)	377 (10.2)	10.5 (0.22)
Spain	10 (1.8)	544 (4.1)	62 (3.6)	531 (2.3)	28 (3.3)	516 (3.5)	10.5 (0.10)
Iran, Islamic Rep. of	9 (2.7)	440 (14.6)	56 (4.1)	436 (6.4)	34 (3.8)	412 (8.8)	10.1 (0.18)
Egypt	9 (2.6)	397 (18.0)	44 (4.4)	341 (8.2)	47 (4.5)	308 (8.4)	9.7 (0.19)
United States	9 (2.2)	562 (7.1)	58 (3.5)	563 (3.3)	33 (3.3)	524 (5.4)	10.0 (0.16)
Azerbaijan	9 (1.8)	476 (12.0)	67 (3.3)	478 (5.2)	24 (3.2)	456 (8.3)	10.4 (0.12)
Austria	9 (2.1)	563 (4.9)	63 (3.5)	546 (2.4)	28 (3.1)	523 (4.8)	10.3 (0.13)
Malta	8 (0.1)	451 (4.9)	63 (0.1)	461 (1.9)	29 (0.1)	433 (2.9)	10.4 (0.00)
Canada	8 (1.3)	556 (6.6)	56 (2.4)	549 (2.2)	36 (2.4)	532 (3.5)	10.2 (0.10)
Sweden	7 (2.3)	567 (8.8)	55 (4.2)	560 (3.1)	38 (3.9)	547 (3.4)	10.0 (0.14)
Georgia	7 (2.0)	511 (12.0)	70 (3.3)	490 (3.1)	23 (3.1)	480 (7.4)	10.4 (0.14)
Poland	6 (2.1)	568 (11.4)	53 (3.9)	568 (3.1)	41 (4.1)	559 (3.9)	9.8 (0.16)
Portugal	5 (1.5)	547 (5.4)	53 (3.7)	534 (3.4)	41 (3.4)	518 (3.0)	9.7 (0.11)
Trinidad and Tobago	5 (2.0)	499 (27.2)	36 (3.6)	502 (6.9)	59 (3.6)	465 (5.1)	8.9 (0.18)
Singapore	5 (1.3)	610 (16.3)	49 (2.7)	588 (4.4)	46 (2.7)	560 (4.4)	9.6 (0.09)
Lithuania	5 (1.4)	574 (8.3)	78 (3.2)	552 (2.7)	17 (2.8)	524 (8.3)	10.5 (0.09)
Latvia	4 (1.8)	564 (7.4)	66 (3.7)	562 (2.4)	30 (3.7)	549 (3.6)	10.0 (0.12)
Bulgaria	4 (1.3)	577 (11.3)	61 (3.6)	569 (4.3)	35 (3.5)	519 (8.9)	9.9 (0.12)
France	4 (1.6)	537 (10.3)	51 (3.4)	518 (2.9)	44 (3.2)	502 (4.0)	9.6 (0.11)
Denmark	4 (1.9)	564 (11.4)	54 (3.6)	553 (3.1)	42 (3.5)	540 (3.0)	9.7 (0.12)
Italy	3 (1.4)	556 (12.6)	55 (3.7)	551 (3.3)	42 (3.4)	546 (3.1)	9.6 (0.12)
Hong Kong SAR	3 (0.9)	578 (11.4)	50 (3.6)	572 (4.1)	47 (3.5)	564 (4.3)	9.3 (0.10)
Hungary	3 (1.1)	587 (20.4)	49 (4.1)	570 (3.5)	49 (4.2)	536 (5.2)	9.3 (0.13)
Chinese Taipei	3 (0.8)	556 (7.3)	57 (3.9)	562 (2.6)	40 (4.0)	556 (3.1)	9.7 (0.11)
Slovak Republic	3 (0.9)	567 (12.2)	48 (2.6)	550 (3.2)	49 (2.6)	518 (5.6)	9.4 (0.10)
Morocco	3 (1.0)	422 (19.0)	23 (2.2)	412 (6.9)	74 (2.2)	338 (4.6)	8.2 (0.11)
Finland	2 (0.8)	~ ~	66 (2.8)	570 (2.0)	32 (2.9)	558 (3.7)	9.9 (0.10)
Chile	2 (1.0)	~ ~	11 (2.3)	491 (6.6)	87 (2.5)	496 (3.2)	7.6 (0.14)
Germany	2 (1.0)	~ ~	54 (3.5)	555 (2.7)	44 (3.3)	512 (6.6)	9.4 (0.09)
Netherlands	2 (1.2)	~ ~	50 (3.5)	550 (2.4)	48 (3.6)	539 (2.6)	9.5 (0.10)
Czech Republic	2 (0.8)	~ ~	38 (3.2)	551 (2.9)	60 (3.2)	538 (2.8)	9.1 (0.11)
Macao SAR	1 (0.0)	~ ~	49 (0.1)	554 (1.5)	50 (0.1)	537 (1.4)	9.5 (0.00)
Belgium (Flemish)	1 (0.6)	~ ~	53 (3.9)	532 (2.3)	46 (3.9)	517 (3.1)	9.4 (0.10)
Russian Federation	1 (0.7)	~ ~	53 (3.2)	592 (2.7)	46 (3.3)	567 (3.7)	9.5 (0.10)
Belgium (French)	1 (0.6)	~ ~	49 (3.8)	511 (2.9)	51 (3.7)	485 (3.8)	9.2 (0.12)
Norway (5)	1 (0.6)	~ ~	58 (3.6)	563 (2.7)	41 (3.7)	551 (3.4)	9.6 (0.11)
Slovenia	1 (0.4)	~ ~	43 (3.4)	546 (3.2)	56 (3.5)	540 (2.2)	9.1 (0.10)
International Avg.	8 (0.3)	522 (1.9)	55 (0.5)	518 (0.6)	37 (0.4)	497 (0.9)	

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

This PIRLS questionnaire scale was established in 2016 based on the combined response distribution of all countries that participated in PIRLS 2016. To provide a point of reference for country comparisons, the scale centerpoint of 10 was located at the mean of the combined distribution. The units of the scale were chosen so that 2 scale score points corresponded to the standard deviation of the distribution.

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

A tilde (~) indicates insufficient data to report achievement.

An "r" indicates data are available for at least 70% but less than 85% of the students.

Exhibit 6.3: School Emphasis on Academic Success – Teachers' Reports (Continued)

Country	Very High Emphasis		High Emphasis		Medium Emphasis		Average Scale Score
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	
Benchmarking Participants							
Dubai, UAE	32 (2.9)	538 (6.0)	55 (3.0)	517 (3.9)	13 (1.5)	464 (7.5)	12.0 (0.14)
Abu Dhabi, UAE	18 (3.2)	447 (10.0)	57 (4.2)	418 (7.8)	25 (3.3)	388 (10.4)	10.7 (0.19)
Madrid, Spain	13 (2.8)	564 (7.5)	68 (4.0)	551 (1.9)	19 (3.2)	531 (4.0)	10.9 (0.15)
Andalusia, Spain	12 (2.4)	538 (4.0)	59 (4.4)	531 (2.1)	30 (3.9)	507 (5.0)	10.3 (0.14)
Eng/Afr/Zulu - RSA (5)	10 (3.7)	435 (24.7)	46 (5.7)	407 (11.1)	44 (6.0)	418 (11.6)	9.9 (0.32)
Ontario, Canada	9 (2.5)	551 (12.2)	50 (4.1)	554 (3.8)	40 (4.1)	531 (5.4)	10.1 (0.17)
Buenos Aires, Argentina	7 (2.2)	500 (9.1)	53 (4.0)	492 (4.3)	40 (3.6)	459 (5.3)	9.8 (0.15)
Norway (4)	5 (1.7)	538 (10.5)	54 (4.0)	521 (2.8)	40 (3.8)	510 (2.8)	9.7 (0.12)
Quebec, Canada	4 (2.0)	561 (12.0)	63 (5.2)	551 (4.1)	33 (5.0)	536 (5.0)	10.2 (0.17)
Denmark (3)	4 (0.9)	529 (14.0)	54 (3.8)	507 (3.5)	42 (3.9)	490 (4.4)	9.6 (0.13)
Moscow City, Russian Fed.	1 (0.8)	~ ~	64 (4.0)	619 (2.6)	35 (3.9)	601 (3.2)	9.7 (0.09)

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

