

Appendix F.1: Percentiles of Reading Achievement

Country	5th Percentile	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile
Australia	394 (6.3)	432 (5.5)	494 (3.9)	552 (3.1)	603 (2.7)	644 (2.7)	668 (2.7)
Austria	427 (4.4)	454 (4.8)	500 (2.9)	545 (2.4)	586 (2.2)	620 (2.4)	640 (3.6)
Azerbaijan	312 (10.1)	353 (9.1)	422 (5.4)	483 (4.2)	533 (2.9)	572 (2.6)	594 (3.7)
Bahrain	274 (6.5)	313 (3.8)	381 (3.6)	453 (2.5)	515 (2.7)	567 (3.1)	596 (3.9)
Belgium (Flemish)	420 (3.8)	446 (3.6)	486 (2.6)	527 (2.2)	567 (2.3)	601 (2.0)	620 (2.6)
Belgium (French)	378 (4.9)	408 (4.7)	454 (3.1)	500 (2.7)	544 (2.5)	584 (3.6)	606 (2.8)
Bulgaria	398 (11.0)	440 (7.5)	501 (6.5)	559 (4.8)	611 (3.5)	653 (3.5)	678 (4.1)
Canada	407 (4.0)	444 (3.9)	497 (2.7)	549 (2.2)	596 (2.0)	634 (2.0)	657 (2.8)
Chile	356 (5.1)	388 (4.0)	442 (3.5)	499 (3.0)	550 (3.1)	591 (3.1)	614 (3.2)
Chinese Taipei	445 (5.1)	475 (3.7)	521 (2.9)	563 (1.7)	603 (2.3)	637 (2.6)	657 (2.7)
Czech Republic	424 (7.0)	456 (4.6)	503 (2.8)	548 (1.8)	590 (2.3)	625 (2.4)	645 (3.6)
Denmark	425 (6.3)	457 (4.2)	507 (3.0)	553 (2.6)	594 (2.5)	628 (2.9)	650 (3.9)
Egypt	112 (9.2)	161 (8.6)	246 (7.9)	340 (6.4)	420 (6.0)	483 (6.7)	520 (7.1)
England	421 (6.4)	455 (3.3)	508 (3.1)	564 (2.1)	613 (2.2)	655 (2.9)	680 (3.3)
Finland	449 (6.9)	481 (4.6)	526 (2.7)	571 (2.3)	612 (2.0)	647 (2.5)	667 (2.4)
France	389 (5.2)	420 (3.7)	468 (2.8)	516 (2.6)	559 (2.2)	595 (3.7)	617 (4.0)
Georgia	347 (7.0)	383 (5.3)	440 (3.4)	495 (3.3)	543 (3.0)	584 (3.8)	606 (3.9)
Germany	395 (11.5)	435 (6.7)	493 (4.2)	544 (2.8)	591 (2.8)	629 (3.1)	652 (4.3)
Hong Kong SAR	457 (9.3)	487 (4.4)	531 (2.6)	573 (3.2)	612 (3.0)	645 (3.0)	663 (4.2)
Hungary	421 (5.5)	452 (5.8)	506 (4.6)	560 (3.6)	606 (3.6)	645 (3.1)	668 (4.0)
Iran, Islamic Rep. of	226 (12.7)	278 (9.7)	361 (5.9)	442 (4.4)	505 (2.8)	553 (2.7)	581 (4.2)
Ireland	435 (9.5)	472 (5.2)	522 (3.5)	572 (2.7)	617 (3.0)	656 (3.2)	678 (3.5)
Israel	365 (6.6)	407 (3.7)	475 (4.5)	542 (2.2)	593 (2.9)	635 (3.4)	660 (4.7)
Italy	432 (6.2)	461 (5.4)	508 (3.2)	553 (2.6)	592 (2.4)	627 (2.8)	647 (3.1)
Kazakhstan	429 (4.3)	455 (4.2)	496 (3.5)	538 (3.0)	578 (3.2)	615 (3.6)	635 (4.0)
Kuwait	207 (9.9)	250 (7.4)	326 (5.5)	401 (4.7)	466 (4.4)	522 (5.8)	556 (7.4)
Latvia	451 (5.0)	475 (3.6)	518 (2.4)	561 (2.3)	601 (2.3)	636 (3.8)	656 (2.3)
Lithuania	424 (6.6)	459 (5.5)	506 (3.9)	553 (3.1)	595 (4.0)	632 (2.9)	654 (4.0)
Macao SAR	429 (5.0)	459 (2.6)	506 (1.4)	551 (1.4)	590 (1.4)	625 (1.7)	646 (3.6)
Malta	289 (6.8)	328 (5.5)	394 (2.5)	462 (2.3)	517 (2.2)	560 (2.3)	583 (2.4)
Morocco	180 (6.3)	217 (4.9)	282 (5.3)	359 (5.5)	436 (3.6)	496 (3.6)	529 (3.9)
Netherlands	441 (5.4)	466 (3.4)	508 (2.5)	548 (2.4)	586 (2.1)	619 (2.2)	639 (2.9)
New Zealand	356 (6.8)	400 (5.3)	469 (3.4)	532 (2.3)	586 (3.1)	630 (3.0)	656 (3.0)
Northern Ireland	420 (7.1)	460 (5.4)	516 (2.8)	571 (2.4)	619 (3.1)	662 (2.2)	687 (3.0)
Norway (5)	446 (6.1)	474 (4.4)	518 (2.9)	562 (2.5)	603 (2.9)	640 (3.1)	661 (3.2)
Oman	234 (4.5)	275 (3.4)	348 (4.2)	426 (3.9)	494 (4.0)	549 (4.2)	580 (5.7)
Poland	436 (5.2)	470 (4.6)	521 (3.3)	569 (2.7)	615 (2.4)	652 (2.3)	675 (4.5)
Portugal	417 (4.3)	442 (4.0)	485 (3.3)	530 (2.1)	572 (2.9)	611 (3.3)	633 (5.5)
Qatar	249 (5.1)	291 (3.9)	367 (3.4)	452 (2.5)	523 (1.7)	577 (2.4)	608 (3.6)
Russian Federation	465 (5.2)	495 (4.1)	540 (2.8)	584 (2.5)	626 (2.7)	663 (2.6)	684 (3.3)
Saudi Arabia	263 (8.6)	298 (6.0)	363 (6.0)	436 (4.5)	500 (4.3)	553 (6.6)	582 (5.7)
Singapore	432 (7.8)	469 (6.2)	528 (4.4)	583 (2.9)	633 (3.5)	673 (4.2)	695 (3.9)
Slovak Republic	381 (15.5)	430 (8.6)	493 (3.8)	545 (2.6)	589 (2.7)	626 (2.9)	647 (2.2)
Slovenia	413 (6.3)	444 (3.7)	498 (3.8)	549 (2.3)	592 (2.2)	629 (2.8)	651 (3.6)
South Africa	147 (4.9)	182 (4.7)	246 (3.9)	320 (4.2)	390 (5.0)	456 (7.9)	498 (9.5)
Spain	413 (5.1)	442 (3.9)	486 (2.2)	532 (1.8)	573 (1.4)	607 (2.1)	628 (2.2)
Sweden	434 (5.7)	465 (4.0)	515 (3.1)	561 (2.8)	601 (3.2)	635 (3.5)	656 (3.5)
Trinidad and Tobago	310 (8.3)	351 (5.6)	420 (4.7)	487 (5.4)	547 (3.5)	594 (2.5)	619 (4.8)
United Arab Emirates	260 (4.8)	299 (4.1)	373 (4.2)	455 (4.2)	533 (3.6)	590 (2.5)	622 (2.6)
United States	410 (5.9)	446 (6.3)	501 (4.1)	555 (3.2)	604 (3.3)	645 (4.0)	666 (4.4)

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

Note: Percentiles are defined in terms of percentages of students at or below a point on the scale.

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

Appendix F.1: Percentiles of Reading Achievement (Continued)

Country	5th Percentile	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile
Benchmarking Participants							
Buenos Aires, Argentina	335 (7.3)	369 (5.9)	425 (4.1)	486 (3.7)	539 (3.1)	582 (4.3)	605 (3.1)
Ontario, Canada	406 (7.0)	441 (7.2)	495 (4.8)	550 (3.1)	598 (4.0)	636 (5.0)	660 (5.1)
Quebec, Canada	437 (7.5)	463 (6.4)	506 (4.3)	550 (3.1)	591 (3.2)	629 (4.7)	650 (5.2)
Denmark (3)	347 (6.5)	390 (5.7)	450 (3.4)	507 (3.1)	558 (3.6)	603 (4.5)	630 (7.3)
Norway (4)	393 (6.0)	423 (3.2)	472 (2.8)	522 (2.4)	566 (2.5)	603 (3.0)	623 (3.8)
Moscow City, Russian Fed.	507 (3.1)	532 (2.9)	573 (2.7)	615 (2.4)	654 (2.6)	689 (2.4)	709 (4.2)
Eng/Afr/Zulu - RSA (5)	240 (7.0)	274 (6.4)	333 (6.3)	403 (7.1)	478 (8.2)	544 (9.0)	578 (8.6)
Andalusia, Spain	413 (5.0)	438 (3.9)	482 (3.3)	529 (2.2)	569 (2.0)	604 (2.4)	624 (2.5)
Madrid, Spain	446 (4.5)	472 (3.4)	510 (2.4)	552 (2.4)	590 (2.1)	623 (2.6)	642 (3.6)
Abu Dhabi, UAE	233 (8.1)	270 (7.0)	333 (7.3)	415 (7.1)	495 (5.9)	557 (5.8)	591 (6.4)
Dubai, UAE	332 (5.2)	380 (4.4)	456 (2.7)	527 (3.0)	584 (2.3)	630 (2.5)	656 (3.2)

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