

**Appendix G.2: Percentiles of Mathematics Achievement**

Country	5th Percentile	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile
Australia	365 (5.6)	397 (5.8)	449 (4.3)	507 (3.6)	563 (3.3)	610 (4.2)	637 (6.0)
Bahrain	324 (2.6)	352 (2.8)	399 (2.0)	453 (1.9)	507 (2.0)	557 (3.4)	588 (5.1)
Botswana (9)	245 (5.8)	278 (3.9)	337 (2.9)	395 (2.0)	449 (2.8)	496 (2.7)	523 (3.2)
Canada	406 (4.1)	434 (3.1)	482 (3.0)	531 (2.6)	576 (2.1)	613 (2.4)	635 (3.7)
Chile	297 (7.2)	323 (5.1)	372 (4.3)	427 (3.8)	482 (3.3)	531 (4.4)	560 (5.0)
Chinese Taipei	419 (5.3)	459 (3.8)	539 (3.3)	612 (2.7)	669 (3.2)	714 (3.7)	739 (4.1)
Egypt	229 (6.4)	265 (5.8)	322 (4.9)	393 (4.5)	463 (5.0)	521 (4.9)	553 (4.1)
England	389 (7.4)	414 (5.5)	460 (6.2)	517 (5.6)	577 (5.1)	624 (4.1)	649 (5.4)
Georgia	297 (7.9)	331 (5.0)	390 (4.4)	456 (4.3)	520 (4.4)	570 (3.5)	596 (3.6)
Hong Kong SAR	448 (11.1)	489 (9.3)	550 (5.1)	602 (3.8)	647 (4.6)	686 (5.0)	710 (6.0)
Hungary	355 (5.5)	390 (6.8)	452 (4.5)	518 (4.8)	582 (4.2)	632 (5.3)	660 (5.7)
Iran, Islamic Rep. of	286 (4.5)	316 (5.3)	369 (4.8)	434 (5.1)	501 (5.8)	560 (7.2)	594 (9.4)
Ireland	392 (7.5)	426 (6.0)	478 (3.4)	530 (2.9)	574 (2.6)	612 (4.0)	634 (4.7)
Israel	332 (8.2)	371 (5.8)	441 (5.8)	518 (5.0)	586 (4.6)	637 (3.9)	664 (4.6)
Italy	365 (5.5)	397 (4.4)	445 (3.9)	498 (2.6)	547 (3.1)	588 (3.5)	612 (3.4)
Japan	434 (4.8)	470 (4.5)	529 (3.0)	589 (2.9)	647 (3.2)	699 (3.7)	729 (3.4)
Jordan	228 (5.7)	263 (4.6)	321 (4.1)	387 (3.9)	452 (3.1)	505 (3.9)	535 (3.9)
Kazakhstan	373 (6.5)	404 (6.1)	463 (6.3)	530 (6.7)	593 (7.2)	645 (7.2)	677 (7.4)
Korea, Rep. of	455 (4.6)	491 (4.2)	551 (3.8)	611 (2.7)	665 (3.0)	711 (3.6)	738 (3.7)
Kuwait	247 (7.1)	279 (5.8)	330 (4.3)	389 (4.4)	452 (5.9)	512 (10.1)	550 (12.2)
Lebanon	319 (5.9)	345 (4.9)	390 (5.5)	443 (5.1)	497 (3.5)	539 (3.7)	565 (4.1)
Lithuania	379 (4.2)	409 (5.3)	458 (2.8)	515 (3.5)	568 (2.8)	608 (4.1)	632 (4.9)
Malaysia	326 (5.4)	353 (5.2)	402 (4.8)	464 (4.2)	528 (4.0)	580 (3.3)	609 (3.9)
Malta	330 (3.2)	370 (2.7)	436 (2.2)	504 (1.8)	558 (1.7)	601 (1.7)	623 (2.0)
Morocco	257 (3.7)	284 (3.4)	329 (2.5)	381 (2.9)	438 (2.6)	492 (3.2)	522 (4.5)
New Zealand	345 (5.6)	378 (5.8)	433 (4.3)	494 (3.5)	555 (3.2)	605 (4.6)	633 (5.5)
Norway (9)	392 (5.7)	420 (3.6)	465 (3.6)	515 (2.6)	560 (2.4)	600 (3.3)	622 (3.9)
Oman	241 (5.3)	278 (4.2)	339 (2.7)	405 (2.9)	470 (3.1)	527 (2.9)	557 (3.4)
Qatar	272 (5.4)	305 (4.5)	363 (4.0)	436 (4.0)	509 (3.4)	572 (4.7)	607 (5.6)
Russian Federation	399 (5.2)	429 (5.7)	483 (5.9)	542 (5.0)	594 (4.9)	641 (4.9)	669 (5.5)
Saudi Arabia	230 (7.9)	261 (7.4)	309 (5.1)	364 (4.9)	425 (5.0)	480 (6.9)	514 (8.9)
Singapore	462 (7.1)	505 (7.9)	572 (5.2)	633 (3.9)	680 (2.4)	715 (2.1)	735 (2.0)
Slovenia	400 (4.6)	425 (5.8)	470 (2.8)	518 (2.7)	564 (2.6)	605 (3.0)	629 (3.4)
South Africa (9)	242 (4.9)	267 (4.3)	311 (3.7)	364 (4.4)	426 (6.9)	491 (9.2)	529 (10.2)
Sweden	378 (6.4)	406 (6.0)	452 (3.4)	504 (3.6)	553 (3.7)	590 (3.5)	613 (4.1)
Thailand	296 (5.4)	322 (4.5)	369 (5.1)	425 (5.5)	486 (5.9)	549 (8.7)	590 (13.1)
Turkey	289 (7.5)	324 (6.1)	385 (5.1)	454 (5.0)	531 (5.9)	599 (7.1)	634 (7.2)
United Arab Emirates	303 (3.7)	336 (3.0)	395 (2.4)	466 (2.6)	535 (2.4)	591 (3.3)	623 (3.4)
United States	378 (3.8)	408 (4.5)	461 (3.4)	521 (3.6)	577 (3.6)	624 (4.4)	651 (4.8)

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**Benchmarking Participants**

Buenos Aires, Argentina	252 (7.4)	280 (5.9)	332 (6.3)	396 (4.4)	462 (5.6)	513 (4.9)	538 (5.2)
Ontario, Canada	399 (5.5)	428 (3.7)	475 (3.3)	526 (3.5)	572 (3.0)	610 (4.1)	632 (4.3)
Quebec, Canada	434 (8.5)	459 (7.3)	502 (5.6)	546 (4.5)	587 (3.8)	623 (3.5)	645 (3.4)
Norway (8)	373 (5.3)	399 (3.4)	444 (3.0)	491 (2.0)	533 (2.3)	568 (2.4)	589 (3.9)
Abu Dhabi, UAE	284 (6.5)	315 (7.3)	370 (5.1)	439 (6.2)	512 (5.7)	571 (8.5)	607 (8.8)
Dubai, UAE	354 (3.3)	390 (3.3)	451 (2.8)	518 (2.9)	576 (4.0)	624 (3.9)	652 (6.6)
Florida, US	346 (8.4)	376 (8.3)	431 (8.5)	493 (8.1)	557 (5.9)	608 (8.9)	641 (11.5)

( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.  
Note: Percentiles are defined in terms of percentages of students at or below a point on the scale.