

Appendix G.2: Percentiles of Science Achievement

Country	5th Percentile	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile
Australia	369 (5.5)	403 (4.2)	459 (4.1)	516 (2.9)	569 (2.3)	614 (2.9)	639 (3.6)
Bahrain	285 (5.3)	325 (3.7)	394 (4.3)	471 (2.8)	541 (2.2)	597 (4.0)	630 (4.7)
Botswana (9)	194 (5.8)	240 (4.4)	322 (4.6)	403 (3.2)	471 (2.7)	524 (3.1)	553 (3.4)
Canada	407 (5.3)	434 (4.2)	481 (2.9)	529 (2.5)	575 (2.2)	613 (2.6)	635 (3.4)
Chile	317 (6.3)	348 (4.2)	398 (4.5)	455 (3.9)	511 (3.6)	558 (3.0)	584 (5.1)
Chinese Taipei	417 (4.4)	456 (3.4)	519 (3.2)	579 (2.6)	629 (2.6)	668 (3.4)	690 (3.5)
Egypt	176 (6.3)	218 (5.4)	291 (5.5)	375 (5.3)	455 (5.0)	517 (4.4)	551 (5.5)
England	399 (8.2)	428 (5.9)	480 (5.3)	540 (5.3)	595 (4.6)	640 (4.6)	665 (4.5)
Georgia	291 (7.5)	328 (6.5)	386 (4.5)	448 (3.1)	505 (4.2)	550 (3.9)	576 (4.6)
Hong Kong SAR	418 (9.5)	454 (6.8)	504 (4.3)	552 (3.5)	593 (3.3)	631 (4.7)	653 (5.4)
Hungary	377 (10.0)	416 (7.1)	473 (4.5)	532 (3.9)	588 (3.9)	633 (4.2)	658 (5.3)
Iran, Islamic Rep. of	308 (5.2)	341 (4.6)	395 (4.2)	457 (4.5)	519 (5.2)	570 (6.9)	602 (9.2)
Ireland	387 (10.3)	424 (6.3)	482 (3.7)	537 (2.4)	585 (2.5)	627 (2.9)	650 (4.6)
Israel	320 (9.1)	363 (7.9)	440 (6.2)	516 (4.3)	582 (4.1)	634 (3.6)	662 (4.7)
Italy	368 (5.2)	397 (6.4)	450 (3.6)	503 (2.7)	552 (2.5)	593 (3.5)	618 (4.3)
Japan	440 (5.0)	472 (4.1)	523 (3.1)	575 (2.1)	624 (2.2)	663 (2.5)	686 (2.5)
Jordan	246 (9.2)	292 (6.6)	361 (4.3)	435 (3.9)	499 (3.0)	547 (2.9)	577 (6.0)
Kazakhstan	385 (6.6)	418 (6.5)	473 (5.1)	532 (5.2)	593 (4.8)	647 (7.0)	683 (9.3)
Korea, Rep. of	423 (3.9)	453 (3.1)	505 (2.3)	558 (2.5)	609 (2.6)	653 (3.4)	679 (4.3)
Kuwait	224 (10.0)	264 (8.1)	336 (7.8)	415 (6.0)	488 (5.4)	550 (8.8)	585 (9.5)
Lebanon	228 (9.4)	263 (8.3)	326 (7.1)	401 (6.9)	471 (5.6)	530 (5.2)	562 (7.1)
Lithuania	385 (6.5)	416 (5.0)	467 (4.2)	524 (3.2)	574 (3.1)	616 (4.3)	640 (7.0)
Malaysia	303 (9.5)	341 (9.0)	409 (7.5)	479 (4.7)	539 (3.2)	586 (2.8)	612 (3.3)
Malta	284 (6.9)	331 (5.5)	415 (2.8)	492 (2.4)	557 (2.4)	610 (3.2)	640 (4.4)
Morocco	255 (4.2)	284 (3.5)	334 (3.5)	393 (2.7)	452 (2.7)	504 (3.4)	533 (3.5)
New Zealand	357 (6.8)	392 (5.0)	453 (4.2)	518 (3.5)	576 (3.3)	625 (3.9)	652 (5.0)
Norway (9)	374 (5.6)	407 (4.9)	458 (4.1)	513 (2.7)	562 (3.0)	605 (3.3)	631 (4.0)
Oman	281 (6.3)	322 (5.4)	390 (4.3)	461 (2.9)	526 (3.1)	576 (2.7)	604 (2.9)
Qatar	266 (5.6)	307 (4.6)	379 (5.1)	462 (3.9)	538 (3.8)	598 (4.9)	630 (5.2)
Russian Federation	413 (6.7)	442 (6.2)	494 (6.5)	547 (4.2)	596 (3.9)	640 (5.0)	666 (5.6)
Saudi Arabia	231 (7.8)	269 (6.1)	330 (5.3)	398 (4.7)	466 (4.7)	521 (8.2)	555 (9.9)
Singapore	430 (8.6)	475 (8.7)	547 (5.4)	609 (3.5)	657 (2.5)	696 (2.3)	718 (2.8)
Slovenia	419 (7.2)	451 (3.8)	500 (3.3)	554 (3.0)	605 (2.7)	647 (3.1)	672 (4.0)
South Africa (9)	191 (4.8)	224 (4.6)	283 (4.8)	350 (6.0)	426 (8.9)	504 (10.6)	549 (12.5)
Sweden	368 (11.5)	411 (7.1)	471 (4.7)	528 (3.6)	582 (4.0)	626 (3.9)	649 (5.2)
Thailand	323 (4.2)	352 (5.1)	399 (4.5)	456 (4.3)	511 (5.5)	559 (5.6)	590 (9.0)
Turkey	329 (7.3)	366 (4.7)	431 (4.6)	498 (4.7)	560 (4.5)	614 (5.2)	645 (6.4)
United Arab Emirates	293 (6.0)	333 (4.7)	405 (3.8)	484 (2.5)	554 (3.0)	608 (2.5)	639 (3.9)
United States	388 (5.1)	421 (4.2)	475 (3.5)	535 (3.5)	588 (3.1)	631 (2.9)	656 (3.5)

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

Benchmarking Participants

Buenos Aires, Argentina	223 (7.8)	256 (7.8)	317 (5.6)	389 (4.6)	458 (5.1)	511 (4.6)	540 (4.6)
Ontario, Canada	401 (6.1)	430 (3.9)	479 (3.8)	527 (3.4)	573 (2.9)	612 (3.1)	635 (4.3)
Quebec, Canada	416 (8.8)	441 (7.6)	485 (6.0)	532 (4.5)	576 (3.6)	615 (4.6)	636 (4.0)
Norway (8)	356 (4.9)	390 (4.8)	441 (3.8)	494 (2.8)	542 (2.3)	583 (2.4)	606 (3.2)
Abu Dhabi, UAE	270 (7.4)	308 (7.8)	378 (7.4)	459 (5.8)	533 (6.7)	591 (7.0)	623 (7.5)
Dubai, UAE	351 (6.0)	394 (4.7)	465 (2.7)	534 (3.0)	592 (3.8)	639 (3.9)	665 (6.0)
Florida, US	352 (7.8)	385 (7.7)	448 (8.5)	513 (8.1)	573 (6.9)	621 (6.5)	646 (7.5)

() 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.