

Appendix G.1: Percentiles of Science Achievement

Country	5th Percentile	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile
Australia	389 (7.5)	423 (4.7)	476 (3.8)	529 (3.0)	576 (3.1)	617 (2.9)	640 (4.8)
Bahrain	272 (10.1)	317 (7.0)	391 (4.3)	468 (2.8)	533 (2.8)	587 (2.7)	617 (3.3)
Belgium (Flemish)	406 (4.2)	430 (3.8)	471 (3.2)	514 (2.4)	554 (2.8)	588 (3.1)	609 (3.6)
Bulgaria	352 (14.3)	403 (12.1)	483 (8.1)	549 (5.6)	602 (5.2)	644 (5.3)	668 (5.0)
Canada	398 (6.9)	429 (4.4)	479 (3.6)	528 (2.7)	575 (2.4)	615 (2.7)	638 (2.6)
Chile	353 (5.4)	380 (4.5)	428 (3.2)	480 (2.7)	530 (3.1)	571 (3.3)	595 (3.2)
Chinese Taipei	435 (5.5)	465 (3.5)	513 (2.3)	559 (1.8)	602 (2.4)	639 (2.3)	661 (4.1)
Croatia	426 (4.5)	453 (3.7)	494 (2.8)	536 (2.5)	576 (2.5)	611 (3.4)	630 (4.1)
Cyprus	349 (6.6)	381 (5.4)	432 (3.5)	486 (2.4)	534 (2.4)	574 (3.2)	597 (3.2)
Czech Republic	414 (6.1)	444 (4.3)	490 (3.5)	538 (2.8)	583 (2.7)	620 (2.7)	644 (3.4)
Denmark	406 (4.8)	436 (4.3)	483 (3.3)	531 (2.3)	575 (2.7)	612 (2.1)	633 (3.1)
England	417 (5.1)	445 (4.7)	490 (3.2)	537 (3.1)	583 (3.0)	623 (3.0)	648 (4.0)
Finland	444 (6.5)	472 (4.3)	514 (2.7)	557 (2.6)	597 (2.9)	633 (2.7)	654 (3.7)
France	363 (5.0)	391 (5.7)	439 (3.6)	491 (2.9)	539 (2.7)	579 (2.8)	602 (2.7)
Georgia	296 (9.4)	337 (8.0)	397 (5.1)	457 (3.4)	511 (3.6)	557 (5.9)	584 (7.2)
Germany	409 (5.3)	437 (4.1)	483 (3.0)	531 (3.1)	577 (2.6)	616 (2.3)	638 (3.6)
Hong Kong SAR	437 (5.7)	465 (6.4)	512 (4.0)	559 (3.4)	604 (3.6)	644 (4.0)	668 (4.5)
Hungary	393 (10.2)	433 (8.9)	493 (5.6)	551 (2.7)	598 (2.6)	639 (3.6)	663 (3.6)
Indonesia	219 (8.4)	259 (6.4)	327 (6.3)	402 (5.7)	471 (6.3)	526 (5.4)	557 (5.4)
Iran, Islamic Rep. of	238 (10.9)	279 (7.8)	354 (7.5)	432 (5.2)	496 (4.1)	545 (3.9)	571 (4.3)
Ireland	405 (5.5)	437 (4.7)	486 (3.2)	534 (2.5)	577 (3.3)	612 (4.2)	635 (5.0)
Italy	399 (5.5)	429 (4.7)	474 (4.4)	521 (3.1)	562 (2.5)	597 (2.3)	618 (2.8)
Japan	459 (3.9)	486 (3.0)	528 (2.4)	572 (2.4)	613 (1.9)	648 (2.7)	671 (4.2)
Kazakhstan	412 (5.2)	442 (5.3)	493 (5.0)	548 (5.2)	606 (5.7)	659 (6.9)	692 (7.7)
Korea, Rep. of	479 (3.5)	508 (3.5)	550 (2.5)	592 (2.6)	632 (2.8)	666 (2.8)	687 (3.6)
Kuwait	130 (9.5)	171 (7.9)	246 (7.7)	337 (7.0)	431 (7.8)	503 (8.0)	542 (6.4)
Lithuania	406 (5.4)	437 (4.2)	483 (3.9)	532 (2.7)	576 (3.0)	613 (3.1)	634 (3.9)
Morocco	157 (7.3)	197 (4.9)	266 (4.6)	349 (6.7)	440 (6.5)	512 (7.1)	550 (7.1)
Netherlands	414 (5.6)	438 (4.5)	477 (2.8)	520 (3.0)	559 (2.8)	592 (3.4)	610 (4.1)
New Zealand	351 (6.6)	389 (5.8)	451 (4.4)	513 (2.8)	566 (2.4)	608 (3.1)	633 (3.5)
Northern Ireland	397 (6.7)	429 (5.4)	477 (3.5)	524 (2.6)	568 (2.9)	605 (2.2)	627 (3.3)
Norway (5)	427 (5.4)	457 (4.3)	498 (3.4)	541 (3.0)	580 (3.1)	615 (3.8)	636 (4.6)
Oman	228 (5.0)	271 (5.1)	348 (4.1)	437 (4.2)	516 (3.9)	581 (4.1)	617 (4.0)
Poland	427 (6.1)	457 (3.8)	504 (3.3)	552 (2.9)	596 (2.2)	632 (2.7)	651 (3.3)
Portugal	407 (3.9)	430 (3.2)	469 (2.6)	509 (2.3)	549 (2.5)	583 (2.6)	604 (2.3)
Qatar	244 (7.2)	285 (6.5)	359 (5.8)	443 (5.1)	517 (3.9)	574 (4.8)	606 (5.5)
Russian Federation	449 (6.8)	479 (5.1)	524 (3.6)	570 (3.5)	615 (3.4)	653 (4.1)	674 (2.8)
Saudi Arabia	194 (8.7)	235 (7.6)	310 (6.4)	395 (6.4)	474 (5.3)	537 (5.3)	573 (6.6)
Serbia	375 (12.9)	419 (9.0)	480 (4.8)	532 (3.4)	580 (3.3)	619 (3.2)	641 (4.4)
Singapore	434 (7.1)	476 (6.6)	540 (5.2)	599 (4.3)	650 (3.5)	692 (4.2)	716 (4.9)
Slovak Republic	362 (7.3)	406 (5.2)	473 (4.4)	530 (3.1)	578 (3.2)	620 (2.4)	645 (3.6)
Slovenia	420 (5.7)	451 (4.1)	499 (3.4)	547 (2.6)	591 (2.4)	628 (2.8)	648 (3.3)
Spain	399 (5.8)	427 (4.2)	474 (3.8)	522 (2.4)	566 (2.0)	604 (2.0)	626 (2.9)
Sweden	410 (8.7)	444 (7.0)	496 (4.9)	545 (3.8)	591 (3.4)	629 (3.6)	652 (4.4)
Turkey	313 (10.1)	358 (7.4)	428 (4.4)	494 (2.9)	547 (2.5)	593 (3.5)	618 (4.0)
United Arab Emirates	242 (4.4)	285 (4.2)	365 (3.8)	460 (3.5)	541 (2.6)	602 (2.9)	636 (3.3)
United States	404 (4.8)	439 (3.3)	495 (3.2)	551 (2.3)	602 (2.1)	644 (2.7)	669 (3.4)

() 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.

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

Appendix G.1: Percentiles of Science Achievement (Continued)

Country	5th Percentile	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile
Benchmarking Participants							
Buenos Aires, Argentina	268 (8.9)	300 (7.4)	355 (6.2)	420 (5.8)	483 (4.1)	531 (4.3)	559 (5.7)
Ontario, Canada	405 (4.9)	435 (3.2)	484 (2.8)	534 (3.4)	580 (2.8)	619 (3.7)	643 (3.7)
Quebec, Canada	415 (6.8)	442 (5.5)	481 (4.7)	525 (5.0)	569 (5.1)	607 (5.4)	629 (4.7)
Norway (4)	373 (6.4)	401 (5.5)	449 (3.1)	497 (2.2)	540 (2.3)	578 (2.9)	600 (3.3)
Abu Dhabi, UAE	211 (6.8)	249 (6.7)	319 (6.4)	418 (7.5)	510 (7.2)	577 (7.2)	613 (7.8)
Dubai, UAE	324 (4.7)	373 (3.8)	455 (3.6)	530 (2.2)	591 (2.2)	641 (2.5)	670 (2.5)
Florida, US	413 (10.1)	447 (7.0)	499 (5.7)	552 (5.5)	601 (6.7)	646 (6.7)	672 (7.6)

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



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