

Appendix MF.1: Percentiles of Achievement in Advanced Mathematics

Country	5th Percentile	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile
France	348 (5.8)	371 (5.4)	413 (3.1)	462 (3.3)	511 (3.5)	555 (4.1)	581 (5.4)
Italy	238 (9.1)	273 (9.0)	342 (9.1)	428 (6.4)	501 (4.6)	561 (5.8)	594 (7.9)
Lebanon	419 (5.8)	444 (5.6)	485 (3.9)	532 (3.8)	577 (5.1)	619 (3.6)	645 (7.5)
Norway	340 (8.1)	369 (5.3)	411 (5.6)	459 (5.0)	508 (5.2)	550 (6.4)	578 (6.3)
Portugal	363 (5.5)	389 (3.8)	434 (3.7)	482 (3.5)	532 (3.4)	577 (3.2)	601 (4.8)
Russian Federation	298 (10.2)	335 (8.4)	406 (7.7)	489 (6.9)	564 (6.0)	625 (7.0)	662 (9.4)
Russian Federation 6hr+	358 (17.3)	405 (16.8)	476 (11.2)	546 (8.4)	610 (7.7)	665 (7.5)	696 (11.6)
Slovenia	322 (7.0)	353 (6.8)	403 (4.6)	459 (4.0)	515 (4.7)	569 (5.2)	599 (5.9)
Sweden	267 (10.3)	305 (7.1)	365 (5.5)	433 (5.3)	501 (4.3)	555 (4.5)	584 (5.6)
United States	315 (12.6)	352 (10.5)	419 (8.3)	491 (5.3)	554 (5.8)	608 (4.8)	640 (8.2)

() 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 Advanced 2015