

Exhibit M3.2: Achievement in Advanced Mathematics Content Domains by Gender

Country	Algebra		Calculus		Geometry	
	Females	Males	Females	Males	Females	Males
Russian Federation 6hr+	544 (10.3)	567 (8.5) ▲	504 (9.3)	521 (7.6) ▲	548 (9.2)	571 (8.2) ▲
‡ Lebanon	525 (6.1)	526 (4.1)	548 (5.1)	542 (4.5)	523 (7.2)	527 (3.9)
‡ United States	466 (5.2)	490 (6.8) ▲	492 (6.4)	517 (7.6) ▲	435 (6.2)	474 (6.5) ▲
Russian Federation	489 (6.5)	501 (6.7) ▲	456 (6.3)	462 (6.3)	492 (6.1)	507 (6.2) ▲
† Portugal	494 (3.0)	495 (3.4)	477 (3.5)	474 (3.8)	457 (4.2)	471 (3.9) ▲
France	455 (3.4)	482 (3.5) ▲	453 (3.5)	478 (3.6) ▲	426 (4.2)	454 (3.8) ▲
Slovenia	464 (3.6)	487 (4.9) ▲	425 (4.8)	454 (5.7) ▲	441 (4.4)	478 (5.3) ▲
Norway	443 (4.5)	449 (5.1)	457 (6.1)	467 (6.0)	466 (5.4)	477 (6.0)
Sweden	413 (4.7)	428 (4.7) ▲	435 (5.0)	440 (4.7)	421 (4.4)	436 (4.3) ▲
Italy	420 (6.1)	411 (6.7)	439 (6.1)	429 (6.7)	413 (7.6)	413 (6.7)
International Avg.	463 (1.6)	474 (1.8) ▲	465 (1.8)	474 (1.9) ▲	453 (1.9)	471 (1.8) ▲

▲ Average significantly higher than other gender

The Russian Federation 6hr+ results are for a subset of the Russian Federation students. This subset of students are in an Intensive stream that have at least 6 hours of mathematics lessons per week.

See Appendix MC.5 for sampling guidelines and sampling participation notes †, ‡, and ‡.

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

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