

Exhibit M4.3: Students Speak the Language of the Test at Home

Reported by Advanced Mathematics Students

Country	Always		Almost Always		Sometimes		Never	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
France	89 (0.9)	465 (2.9)	8 (0.7)	446 (7.4)	2 (0.3)	~ ~	1 (0.2)	~ ~
Italy	72 (1.4)	439 (4.9)	19 (1.2)	386 (8.2)	7 (0.7)	345 (15.1)	1 (0.3)	~ ~
Lebanon	5 (0.7)	527 (12.6)	12 (1.2)	540 (7.8)	65 (1.7)	529 (3.7)	19 (1.6)	538 (5.4)
Norway	85 (1.4)	462 (4.7)	9 (1.0)	449 (8.5)	4 (0.5)	433 (7.5)	2 (0.4)	~ ~
Portugal	91 (0.6)	483 (2.6)	7 (0.5)	478 (5.5)	2 (0.2)	~ ~	0 (0.1)	~ ~
Russian Federation	86 (1.2)	485 (5.7)	11 (0.8)	487 (9.1)	2 (0.6)	~ ~	0 (0.2)	~ ~
Russian Federation 6hr+	85 (1.2)	540 (8.4)	13 (1.0)	547 (8.5)	2 (0.3)	~ ~	0 (0.1)	~ ~
Slovenia	88 (0.7)	462 (3.6)	9 (0.7)	454 (8.0)	2 (0.3)	~ ~	1 (0.2)	~ ~
Sweden	78 (1.4)	444 (3.8)	12 (0.7)	401 (6.9)	8 (0.9)	368 (11.8)	2 (0.3)	~ ~
United States	74 (2.4)	491 (4.4)	16 (1.5)	484 (12.0)	8 (0.9)	463 (12.0)	3 (0.9)	423 (50.0)
International Avg.	74 (0.4)	473 (1.9)	12 (0.3)	458 (2.8)	11 (0.3)	428 (4.8)	3 (0.2)	481 (25.2)

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

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.

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

A tilde (~) indicates insufficient data to report achievement.