

**Exhibit M9.10: Availability of Digital Devices in Advanced Mathematics Lessons**

Reported by Advanced Mathematics Teachers

Digital devices may include computers, tablets, calculators, or smartphones.

Country	Digital Devices Available for Students to Use in Advanced Mathematics Lessons		
	Percent of Students	Average Achievement	
	Yes	Yes	No
France	86 (2.2)	460 (3.3)	470 (6.6)
Italy	58 (3.6)	430 (7.4)	417 (10.4)
Lebanon	49 (3.3)	543 (5.2)	521 (3.5)
Norway	100 (0.0)	462 (4.5)	~ ~
Portugal	78 (3.1)	485 (3.0)	477 (5.6)
Russian Federation	64 (4.1)	486 (7.2)	480 (8.0)
Russian Federation 6hr+	68 (4.5)	542 (6.7)	536 (20.6)
Slovenia	75 (2.3)	458 (4.2)	465 (6.4)
Sweden	97 (1.5)	435 (4.2)	445 (8.3)
United States	r 92 (1.6)	485 (6.0)	485 (13.6)
International Avg.	78 (0.9)	472 (1.7)	470 (2.9)

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.

An "r" indicates data are available for at least 70% but less than 85% of the students.