

Exhibit P9.3: Students Attended Extra Tutoring in Physics Not Provided by the School

Reported by Physics Students

Country	Students Did Not Attend Extra Tutoring		Students Attended Extra Tutoring		Reasons for Attending Extra Tutoring (Students Could Indicate More than One)					
					To Excel in Class		To Keep Up in Class		To Do Well on an Examination	
	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement	Percent of Students	Average Achievement
France	80 (0.9)	384 (4.2)	20 (0.9)	333 (5.0)	5 (0.4)	365 (9.3)	13 (0.7)	325 (5.1)	16 (0.8)	330 (5.4)
Italy	83 (0.9)	377 (7.3)	17 (0.9)	362 (8.4)	2 (0.3)	~ ~	11 (0.8)	340 (9.6)	8 (0.6)	361 (11.2)
Lebanon	85 (1.3)	418 (4.9)	15 (1.3)	370 (8.0)	7 (0.8)	377 (14.0)	6 (0.8)	377 (12.0)	10 (1.1)	363 (9.5)
Norway	97 (0.4)	509 (4.5)	3 (0.4)	449 (17.3)	2 (0.3)	~ ~	2 (0.3)	~ ~	2 (0.3)	~ ~
Portugal	73 (1.6)	467 (4.9)	27 (1.6)	466 (6.1)	16 (1.3)	468 (6.8)	18 (1.4)	456 (6.5)	20 (1.4)	463 (6.9)
Russian Federation	48 (1.5)	481 (8.7)	52 (1.5)	532 (7.5)	21 (0.9)	540 (8.2)	14 (0.9)	518 (9.9)	48 (1.5)	533 (7.7)
Slovenia	92 (0.8)	536 (2.8)	8 (0.8)	485 (11.8)	3 (0.6)	462 (17.8)	3 (0.7)	417 (25.8)	7 (0.9)	458 (13.4)
Sweden	91 (0.7)	460 (5.9)	9 (0.7)	409 (12.0)	5 (0.4)	437 (15.8)	4 (0.5)	386 (17.1)	7 (0.6)	405 (12.5)
United States	89 (0.8)	443 (9.9)	11 (0.8)	388 (15.0)	7 (0.5)	381 (14.8)	7 (0.6)	371 (18.5)	9 (0.7)	379 (15.0)
International Avg.	82 (0.4)	453 (2.1)	18 (0.4)	422 (3.6)	8 (0.2)	433 (4.9)	9 (0.3)	399 (5.2)	14 (0.3)	412 (3.8)

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent. A tilde (~) indicates insufficient data to report achievement.

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