

Appendix PD.1: Average Percent Correct in the Physics Content and Cognitive Domains

Country	Overall Physics	Physics Content Domains			Physics Cognitive Domains		
		Mechanics and Thermodynamics	Electricity and Magnetism	Wave Phenomena and Atomic/Nuclear Physics	Knowing	Applying	Reasoning
France	32 (0.4)	26 (0.4)	30 (0.4)	40 (0.5)	40 (0.5)	28 (0.4)	30 (0.5)
Italy	32 (0.6)	30 (0.7)	37 (0.8)	30 (0.7)	39 (0.7)	30 (0.7)	29 (0.6)
Lebanon	35 (0.4)	31 (0.6)	33 (0.6)	41 (0.6)	40 (0.6)	37 (0.6)	26 (0.5)
Norway	49 (0.7)	48 (0.7)	48 (0.8)	52 (0.8)	60 (0.7)	46 (0.7)	44 (0.7)
Portugal	42 (0.6)	45 (0.8)	37 (0.7)	44 (0.8)	52 (0.7)	40 (0.8)	37 (0.7)
Russian Federation	50 (1.1)	49 (1.2)	50 (1.1)	51 (1.0)	58 (1.0)	50 (1.3)	42 (0.9)
Slovenia	52 (0.5)	54 (0.6)	51 (0.5)	52 (0.7)	58 (0.7)	54 (0.5)	45 (0.6)
Sweden	42 (0.8)	41 (0.9)	41 (0.8)	44 (0.8)	49 (0.7)	41 (0.9)	36 (0.7)
United States	39 (1.1)	42 (1.3)	34 (1.2)	41 (1.1)	48 (1.3)	37 (1.2)	35 (1.0)
International Avg.	41 (0.2)	40 (0.3)	40 (0.3)	44 (0.3)	49 (0.3)	40 (0.3)	36 (0.2)

() 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