

APPENDIX TABLE 1-19

Average TIMSS science scores of students in grade 8, by education system: 2015

(Average score)

Education system	Grade 8	Comparison with U.S. score
TIMSS scale centerpoint	500	^
Singapore ^a	597	^
Japan	571	^
Taiwan (China)	569	^
South Korea	556	^
Slovenia	551	^
Hong Kong (China)	546	^
Russia	544	^
England (UK)	537	≈
Kazakhstan	533	≈
Ireland	530	≈
United States ^b	530	≈
Hungary	527	≈
Canada ^{b,c}	526	≈
Sweden	522	≈
Lithuania ^a	519	v
New Zealand ^b	513	v
Australia	512	v
Norway (9 years of school)	509	v
Israel ^d	507	v
Italy ^a	499	v
Turkey	493	v
Malta	481	v
United Arab Emirates	477	v
Malaysia	471	v



Education system	Grade 8	Comparison with U.S. score
Bahrain	466	v
Qatar	457	v
Iran	456	v
Thailand	456	v
Oman	455	v
Chile	454	v
Georgia ^{a,c}	443	v
Jordan	426	v
Kuwait	411	v
Lebanon	398	v
Saudi Arabia	396	v
Morocco	393	v
Egypt	371	v

≈ = not significantly different from the U.S. score at the 0.05 level; ^ = significantly higher than the U.S. score at the 0.05 level; v = significantly lower than the U.S. score at the 0.05 level.

TIMSS = Trends in International Mathematics and Science Study; UK = United Kingdom.

^a National defined population covers 90% to 95% of the national target population.

^b These education systems met guidelines for sample participation rates only after replacement schools were included.

^c National target population does not include all of the international target population.

^d National defined population covers less than 90% of the national target population (but at least 77%).

Note(s)

Education systems are ordered by average score. Education systems that are not countries are designated by the appended three-letter international abbreviation for their country. The TIMSS scale centerpoint is set at 500 points and represents the mean of the overall achievement distribution in 1995. The TIMSS scale is the same in each administration; thus, a value of 500 in 2015 equals 500 in 1995. For TIMSS 2015, Norway revised its assessed population to students in their fifth and ninth years of schooling to obtain better comparisons with Sweden and Finland. However, in previous TIMSS cycles, Norway assessed students in their fourth and eighth years of schooling, which were defined as fourth and eighth grades but have been redefined as third and seventh grades because year 1 in Norway is now considered the equivalent of a year of kindergarten. To maintain trend with previous TIMSS cycles, in 2015, Norway also collected data from students in their fourth and eighth years of schooling, which is used in trend tables.

Source(s)



Provasnik S, Malley L, Stephens M, Landeros K, Perkins R, Tang JH, *Highlights From TIMSS and TIMSS Advanced 2015: Mathematics and Science Achievement of U.S. Students in Grades 4 and 8 and in Advanced Courses at the End of High School in an International Context*, NCES 2017-002 (2016).

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