TIMSS 2011 results for Indiana

Mathematics - Grade 8

- Public school students' average score was 522 at grade 8.
- Higher percentages of Indiana 8th-graders performed at or above each of the four TIMSS international benchmarks than the international medians. For example, 7 percent of 8th-graders in Indiana performed at or above the *Advanced* benchmark (625) compared to the international median of 3 percent at grade 8 (figure 4).
- Male and female students in Indiana scored higher in mathematics, on average, than the TIMSS scale average (table 19).
- White and multiracial students' average scores were higher than the TIMSS scale average, while Black students scored lower, on average, than the TIMSS scale average. Hispanic and Asian students' average scores were not measurably different from the TIMSS scale average.
- Students in schools with at least 10 percent but less than 50 percent of students eligible for free or reduced-price lunch scored higher, on average, than the TIMSS scale average, while students in schools with 75 percent or more students eligible for free or reduced-price lunch scored lower, on average, than the TIMSS scale average.

Table 18. Average mathematics scores of 8th-grade students in Indiana public schools compared with other participating education systems: 2011

Grade 8	
Education systems higher than Indiana	
Korea, Rep. of	Japan
Singapore	*Massachusetts-USA*
Chinese Taipei-CHN	*Minnesota-USA*
Hong Kong-CHN	Russian Federation
Education systems not measurably different from Indiana	
North Carolina-USA	Finland
Quebec-CAN	*Florida-USA*
Colorado-USA	*Ontario-CAN*
Connecticut-USA	*England-GBR*
Israel	
Education systems lower than Indiana	
United States	Lebanon
Alberta-CAN	*Abu Dhabi-UAE*
Hungary	Malaysia
Australia	Georgia
Slovenia	Thailand
Lithuania	Macedonia, Rep. of
Italy	Tunisia
California-USA	Chile
New Zealand	Iran, Islamic Rep. of
Kazakhstan	Qatar
Sweden	Bahrain
Ukraine	Jordan
Dubai-UAE	*Palestinian Nat'l Auth.*
Norway	Saudi Arabia
Armenia	Indonesia
Alabama-USA	Syrian Arab Republic
Romania	Morocco
United Arab Emirates	Oman
Turkey	Ghana

NOTE: Italics indicate participants identified and counted in this report as an education system and not as a separate country.
SOURCE: International Association for the Evaluation of Educational Achievement (IEA), Trends in International Mathematics and Science Study (TIMSS), 2011.

Table 19. Average mathematics scores in grade 8 for selected student groups in public schools in Indiana: 2011

Reporting groups	Mathematics Grade 8
TIMSS scale average	**500**
U.S. average	**509 ***
Indiana average	**522 ***
Sex	
Female	518 *
Male	526 *
Race/ethnicity	
White	530 *
Black	467 *
Hispanic	501
Asian	521 *
Multiracial	530
Percentage of public school students eligible for free or reduced-price lunch	
Less than 10 percent	‡
10 to 24.9 percent	551 *
25 to 49.9 percent	527 *
50 to 74.9 percent	508
75 percent or more	474 *

‡ Reporting standards not met.
*p<.05. Difference between score and TIMSS scale average is significant.
NOTE: Black includes African American, Hispanic includes Latino, and Asian includes Pacific Islander and Native Hawaiian. Racial categories exclude Hispanic origin. Not all race/ethnicity categories are shown, but they are all included in the U.S. and state totals shown throughout the report. The standard errors of the estimates are shown in table E-18 available at http://nces.ed.gov/pubsearch/pubsinfor.asp?pubid=2013009.
SOURCE: International Association for the Evaluation of Educational Achievement (IEA), Trends in International Mathematics and Science Study (TIMSS), 2011.