

TIMSS 2011 results for California

Mathematics - Grade 8

- Public school students' average score was 493 at grade 8.
- Higher percentages of California 8th-graders performed at or above each of the four TIMSS international benchmarks than the international medians. For example, 5 percent of 8th-graders in California performed at or above the *Advanced* benchmark (625) compared to the international median of 3 percent at grade 8 (figure 4).

- White, Asian, and multiracial students' average scores were higher than the TIMSS scale average while Black and Hispanic students scored lower, on average, than the TIMSS scale average.
- Students in public 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 public schools with 75 percent or more students eligible for free or reduced-price lunch scored lower, on average, than the TIMSS scale average.

Table 10. Average mathematics scores of 8th-grade students in California public schools compared with other participating education systems: 2011

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

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 11. Average mathematics scores in grade 8 for selected student groups in public schools in California: 2011

Reporting groups	Mathematics Grade 8
TIMSS scale average	500
U.S. average	509 *
California average	493
Sex	
Female	491
Male	494
Race/ethnicity	
White	525 *
Black	468 *
Hispanic	470 *
Asian	555 *
Multiracial	519 *
Percentage of public school students eligible for free or reduced-price lunch	
Less than 10 percent	524
10 to 24.9 percent	540 *
25 to 49.9 percent	530 *
50 to 74.9 percent	489
75 percent or more	455 *

* $p < .05$. 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-14 available at <http://nces.ed.gov/pubsearch/pubsinfo.asp?pubid=2013009>.

SOURCE: International Association for the Evaluation of Educational Achievement (IEA), Trends in International Mathematics and Science Study (TIMSS), 2011.