

## TIMSS 2011 results for Alabama

### Mathematics - Grade 8

- Public school students' average score was 466 at grade 8.
- The percentages of Alabama 8th-graders reaching each of the four TIMSS international benchmarks were not measurably different than the international medians (figure 4).
- Both male and female students in Alabama scored lower, on average, in mathematics than the TIMSS scale average (table 9).

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

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

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.

- White, Asian, and multiracial students' average scores were not measurably different from the TIMSS scale average. However, Black and Hispanic students scored lower, on average, than the TIMSS scale average.
- Students in public schools with 25 percent or more of students eligible for free or reduced-price lunch scored lower, on average, than the TIMSS scale average.

**Table 9. Average mathematics scores in grade 8 for selected student groups in public schools in Alabama: 2011**

Reporting groups	Mathematics Grade 8
TIMSS scale average	500
U.S. average	509 *
Alabama average	466 *
Sex	
Female	467 *
Male	465 *
Race/ethnicity	
White	489
Black	428 *
Hispanic	454 *
Asian	509
Multiracial	492
Percentage of public school students eligible for free or reduced-price lunch	
Less than 10 percent	536
10 to 24.9 percent	510
25 to 49.9 percent	482 *
50 to 74.9 percent	464 *
75 percent or more	429 *

\* $p < .05$ . Difference between score and TIMSS scale average is significant.

NOTE: Black includes African American and Hispanic includes Latino. 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-13 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.