

## TIMSS 2011 results for Florida

### Mathematics - Grades 4 and 8

- Public school students' average score was 545 at grade 4 and 513 at grade 8.
- Higher percentages of Florida 4th- and 8th-graders performed at or above each of the four TIMSS international benchmarks than the international medians. For example, 14 percent of 4th-graders and 8 percent of 8th-graders in Florida performed at or above the *Advanced* benchmark (625) compared to the international median of 4 percent at grade 4 and 3 percent at grade 8 (figures 3 and 4).
- Male and female students in Florida scored higher, on average, than the TIMSS scale average in mathematics at grade 4, and males scored higher, on average, at grade 8 (table 17).

Continued on next page

**Table 16. Average mathematics scores of 4th- and 8th-grade students in Florida public schools compared with other participating education systems: 2011**

Grade 4		Grade 8	
<b>Education systems higher than Florida</b>		<b>Education systems higher than Florida</b>	
Singapore		Korea, Rep. of	
Korea, Rep. of		Singapore	
Hong Kong-CHN		Chinese Taipei-CHN	
Chinese Taipei-CHN		Hong Kong-CHN	
Japan		Japan	
Northern Ireland-GBR		Massachusetts-USA	
<b>Education systems not measurably different from Florida</b>		<b>Education systems not measurably different from Florida</b>	
North Carolina-USA		Indiana-USA	
Belgium (Flemish)-BEL		Colorado-USA	
Finland		Connecticut-USA	
England-GBR		Israel	
Russian Federation		Finland	
United States		Ontario-CAN	
Netherlands		United States	
		England-GBR	
<b>Education systems lower than Florida</b>		<b>Education systems lower than Florida</b>	
Denmark	Spain	Italy	Qatar
Lithuania	Romania	California-USA	Bahrain
Quebec-CAN	Poland	New Zealand	Jordan
Portugal	Turkey	Kazakhstan	Palestinian Nat'l Auth.
Germany	Dubai-UAE	Sweden	Saudi Arabia
Ireland	Azerbaijan	Ukraine	Indonesia
Ontario-CAN	Chile	Dubai-UAE	Syrian Arab Republic
Serbia	Thailand	Norway	Morocco
Australia	Armenia	Armenia	Oman
Hungary	Georgia	Alabama-USA	Ghana
Slovenia	Bahrain	Romania	
Czech Republic	United Arab Emirates	United Arab Emirates	
Austria	Iran, Islamic Rep. of	Turkey	
Italy	Abu Dhabi-UAE	Lebanon	
Slovak Republic	Qatar	Abu Dhabi-UAE	
Alberta-CAN	Saudi Arabia	Malaysia	
Sweden	Oman	Georgia	
Kazakhstan	Tunisia	Thailand	
Malta	Kuwait	Macedonia, Rep. of	
Norway	Morocco	Tunisia	
Croatia	Yemen	Chile	
New Zealand		Iran, Islamic 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.

- At grade 4, White, Hispanic, Asian, and multiracial students' average scores were higher than the TIMSS scale average.
- At grade 8, White and Asian students' average scores were higher than the TIMSS scale average, while Black students' average scores were lower.
- Students at grade 4 scored higher, on average, than the TIMSS scale average regardless of the level of poverty within public schools. At grade 8 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 scales average.

**Table 17. Average mathematics scores in grade 4 and 8 for selected student groups in public schools in Florida: 2011**

Reporting groups	Mathematics	
	Grade 4	Grade 8
<b>TIMSS scale average</b>	<b>500</b>	<b>500</b>
<b>U.S. average</b>	<b>541 *</b>	<b>509 *</b>
<b>Florida average</b>	<b>545 *</b>	<b>513 *</b>
Sex		
Female	542 *	509
Male	549 *	517 *
Race/ethnicity		
White	570 *	531 *
Black	504	484 *
Hispanic	536 *	505
Asian	609 *	615 *
Multiracial	576 *	505
Percentage of public school students eligible for free or reduced-price lunch		
Less than 10 percent	606 *	‡
10 to 24.9 percent	595 *	546 *
25 to 49.9 percent	555 *	529 *
50 to 74.9 percent	538 *	511
75 percent or more	521 *	492

‡ 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-17 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.