FEATURES OF THE 2009 MATHEMATICS ASSESSMENT

Nationally representative student samples
— 168,800 4th-graders
— 161,700 8th-graders

Trend comparisons to seven previous mathematics assessments

Results available for
— Nation
— 50 states
— District of Columbia
— Department of Defense school system

Mathematics 2009
NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS AT GRADES 4 AND 8

EMBARGOED until October 14, 2009 10:00 a.m. E.D.T.
Fourth-grade mathematics score unchanged from 2007

Achievement-level results flat since 2007

No significant change in performance of racial/ethnic groups since 2007

### CHANGE IN AVERAGE SCORES

<table>
<thead>
<tr>
<th></th>
<th>Since 1990</th>
<th>Since 2007</th>
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<tbody>
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<td><strong>Overall</strong></td>
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<td><strong>American Indian/Alaska Native</strong></td>
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▲ Indicates the score was higher in 2009.
◆ Indicates no significant change in the score in 2009.
‡ Reporting standards not met. Sample size insufficient to permit a reliable estimate.

### Since 1990

- **White** students up 28 points
- **Black** students up 35 points
- **Hispanic** students up 27 points
- **Asian/Pacific Islander** students up 30 points

**NOTE:** Black includes African American, Hispanic includes Latino, and Pacific Islander includes Native Hawaiian. Race categories exclude Hispanic origin.

White – Black score gap smaller than in 1990 but shows no change since 2007

No significant change in White – Hispanic gap compared to 2007 or 1990

* Significantly different (p < .05) from 2009.

NOTE: Black includes African American, and Hispanic includes Latino. Race categories exclude Hispanic origin. Score gaps are calculated based on differences between unrounded average scores.

Scores increase since 2007 in 8 states and decrease in 4 states

Scores increased in Colorado, District of Columbia, Kentucky, Maryland, New Hampshire, Nevada, Rhode Island, and Vermont

Scores decreased in Delaware, Indiana, West Virginia, and Wyoming

No significant change

Department of Defense Education Activity (overseas and domestic schools).

State Scores and Achievement-Level Results

### State/jurisdiction

<table>
<thead>
<tr>
<th>State/jurisdiction</th>
<th>Average score</th>
<th>Percentage Below Basic</th>
<th>Percentage Basic</th>
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1 Department of Defense Education Activity (overseas and domestic schools).

NOTE: The shaded bars are graphed using rounded numbers. Detail may not sum to totals because of rounding.

Eighth-graders’ mathematics performance continues to improve

Gains since 2007 across achievement levels

*Significantly different (p < .05) from 2009.

Most racial/ethnic groups continue to make gains

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<th>CHANGE IN AVERAGE SCORES</th>
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▲ Indicates the score was higher in 2009.
♦ Indicates no significant change in the score in 2009.
‡ Reporting standards not met. Sample size insufficient to permit a reliable estimate.

**White**
- Up 2 points from 2007
- Up 23 points from 1990

**Black**
- Up 1 point from 2007
- Up 24 points from 1990

**Hispanic**
- Up 2 points from 2007
- Up 21 points from 1990

**Asian/Pacific Islander**
- Up 4 points from 2007
- Up 26 points from 1990

**American Indian/Alaska Native**
- No significant change from 2007

NOTE: Black includes African American, Hispanic includes Latino, and Pacific Islander includes Native Hawaiian. Race categories exclude Hispanic origin.

No significant change in White – Black score gap compared to 2007 or 1990

No significant change in White – Hispanic gap compared to 2007 or 1990

* Significantly different (p < .05) from 2009.

NOTE: Black includes African American, and Hispanic includes Latino. Race categories exclude Hispanic origin. Score gaps are calculated based on differences between unrounded average scores.

Scores increase since 2007 in 15 states


Department of Defense Education Activity (overseas and domestic schools).

State Scores and Achievement-Level Results

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1 Department of Defense Education Activity (overseas and domestic schools).

NOTE: The shaded bars are graphed using unrounded numbers. Detail may not sum to totals because of rounding.

The Department of Education’s mission is to promote student achievement and preparation for global competitiveness by fostering educational excellence and ensuring equal access.