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





and the second second

Mathematics 2009

NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS AT GRADES 4 AND 8



U.S. Department of Education

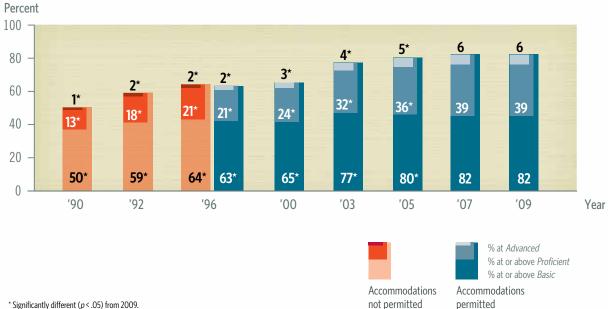
EMBARGOED until October 14, 2009 10:00 a.m. E.D.T. Fourth-grade mathematics score unchanged



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

from 2007

Achievement-level results flat since 2007



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

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1990-2009 Mathematics Assessments.

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

	CHANGE IN AVERAGE SCORES		
	Since 1990	Since 2007	
Overall		•	
White		٠	
Black		٠	
Hispanic		•	
Asian/Pacific Islander		•	
American Indian/ Alaska Native	*	•	

<u>Since 1990</u>

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

Indicates the score was higher in 2009.

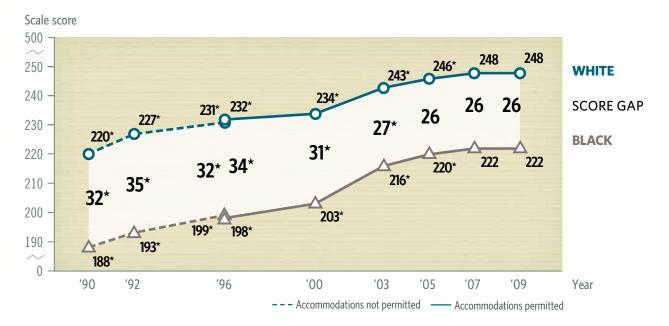
igwedge Indicates no significant change in the score in 2009.

Reporting standards not met. Sample size insufficient to permit a reliable estimate.

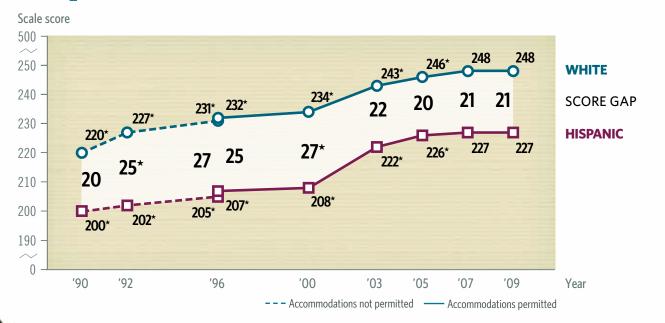


NOTE: Black includes African American, Hispanic includes Latino, and Pacific Islander includes Native Hawaiian. Race categories exclude Hispanic origin. SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1990, 2007, and 2009 Mathematics Assessments.

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



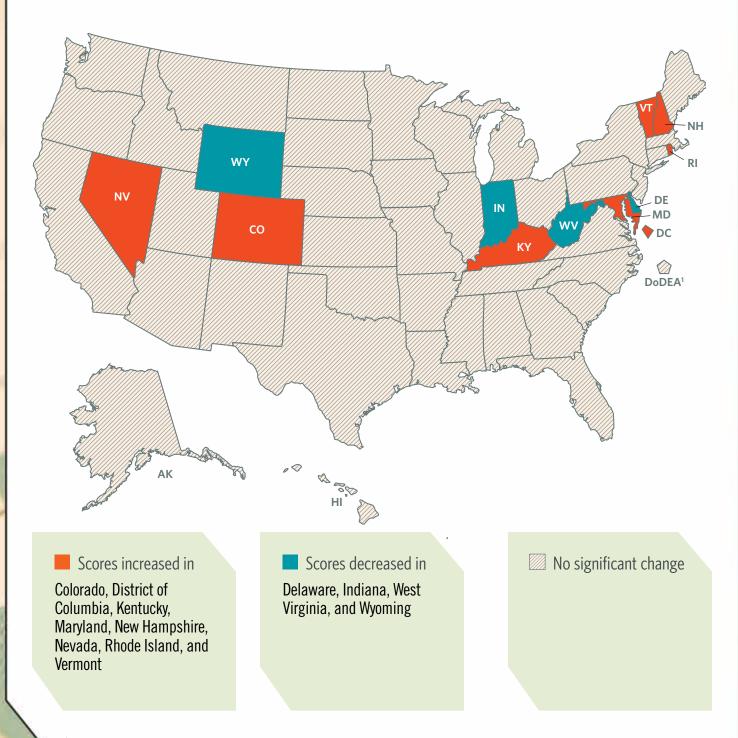
No significant change in White – Hispanic gap compared to 2007 or 1990



* 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. SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1990-2009 Mathematics Assessments.

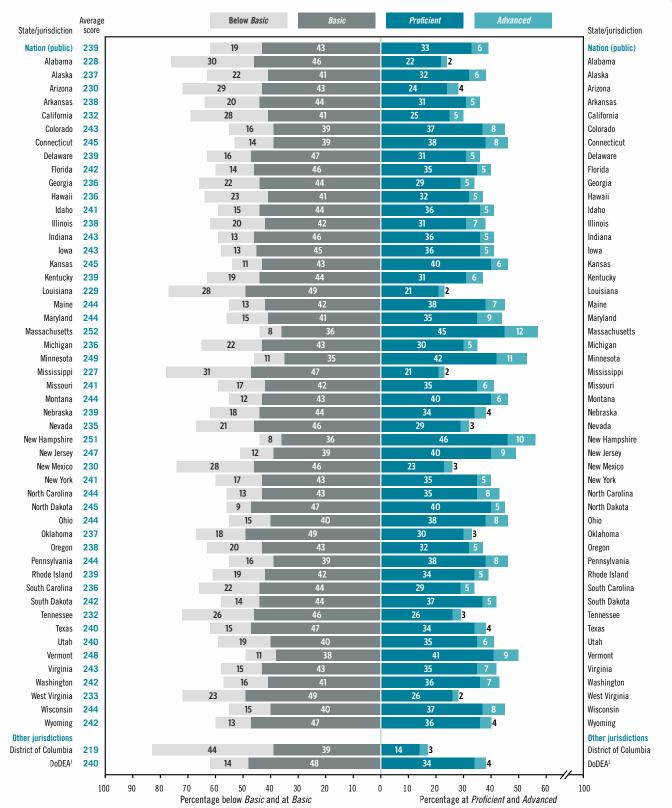
Scores increase since 2007 in 8 states and decrease in 4 states



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

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2007 and 2009 Mathematics Assessments.

State Scores and Achievement-Level Results



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.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2009 Mathematics Assessment.

Eighth-graders' mathematics performance continues to improve



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

Gains since 2007 across achievement levels



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

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1990-2009 Mathematics Assessments.

Most racial/ethnic groups continue to make gains

	CHANGE IN AVERAGE SCORES		
	Since 1990	Since 2007	
Overall			
White			
Black			
Hispanic			
Asian/Pacific Islander			
American Indian/ Alaska Native	‡	•	

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

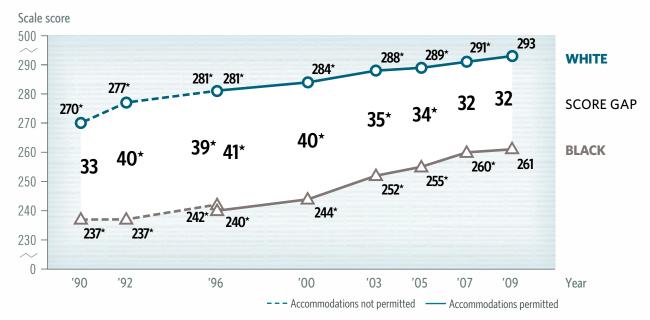
American Indian/Alaska Native

 No significant change from 2007

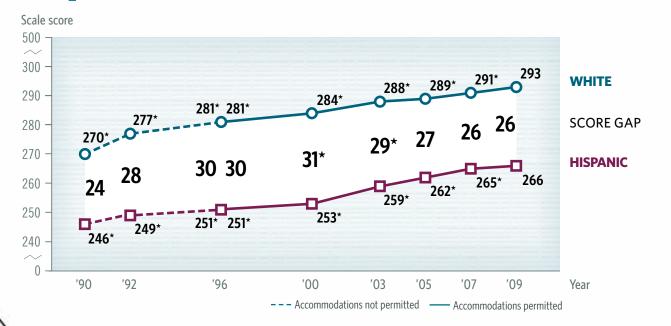
NOTE: Black includes African American, Hispanic includes Latino, and Pacific Islander includes Native Hawaiian. Race categories exclude Hispanic origin.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1990, 2007, and 2009 Mathematics Assessments.

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

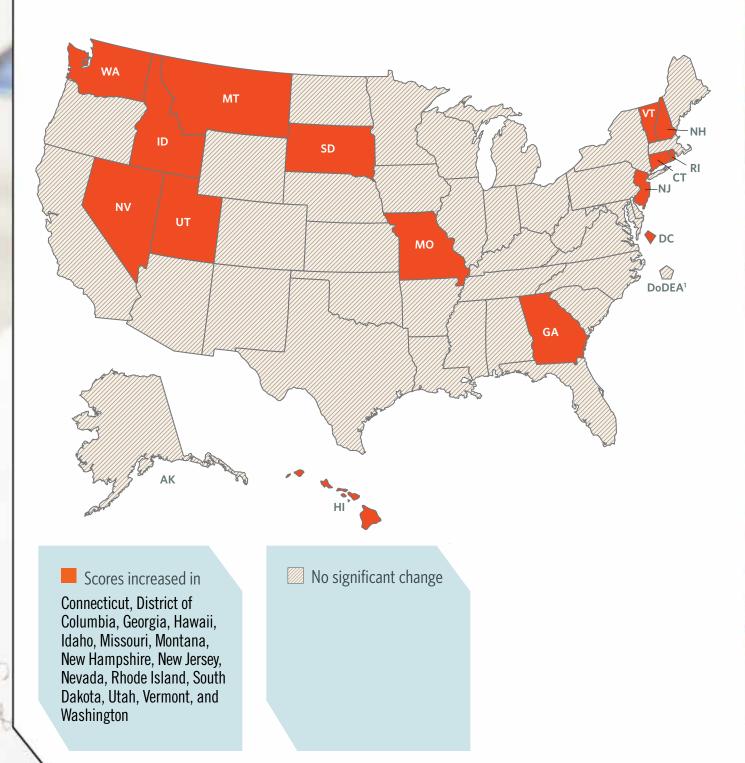


* Significantly different (p < .05) from 2009.

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. SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), various years, 1990-2009 Mathematics Assessments.

NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS AT GRADE 8

Scores increase since 2007 in 15 states



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

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2007 and 2009 Mathematics Assessments.

State Scores and Achievement-Level Results

ate/jurisdiction	score F				State/jurisdiction
Nation (public)	282	29	39	25 7	Nation (public)
Alabama	269	42	38	17 4	Alabama
Alaska	283	25	41	27 6	Alaska
Arizona	277	33	38	23 6	Arizona
Arkansas	276	33	40	23 4	Arkansas
California	270	41	36	18 5	California
Colorado	287	24	36	30 10	Colorado
Connecticut	289	22	38	30 10	Connecticut
Delaware	284	25	44	26 6	Delaware
Florida	279	30	41	23 6	Florida
Georgia	278	33	40	21 5	Georgia
Hawaii	274	35	40	21 4	Hawaii
ldaho	287	22	40	30 8	Idaho
Illinois	282	27	40	26 7	Illinois
Indiana	287	22	42	29 7	Indiana
lowa	284	24	42	27 7	lowa
Kansas	289	21	40	31 8	Kansas
Kentucky	279	30	43	22 5	Kentucky
Louisiana	272	38	42	16 4	Louisiana
Maine	286	22	42	27 8	Maine
Maryland	288	25	35	28 12	Maryland
Massachusetts	299	15		34 17	Massachusetts
Michigan	278	32	37	24 7	Michigan
Minnesota	294	17	36	34 13	Minnesota
Mississippi	265	46	39	14 2	Mississippi
Missouri	286	23	41	29 7	Missouri
Montana	292	18	39	34 10	Montana
Nebraska	284	25	40	27 8	Nebraska
Nevada	274	37	38	20 5	Nevada
lew Hampshire	292	18	38	32 11	New Hampshire
New Jersey	293	20	36	30 14	New Jersey
New Mexico	270	41	39	17 3	New Mexico
New York	283	27	39	26 8	New York
North Carolina	284	26	38	26 9	North Carolina
North Dakota	293	14	43	36 7	North Dakota
Ohio	286	24	40	28 8	Ohio
Oklahoma	276	32	44	20 3	Oklahoma
Oregon	285	25	38	28 8	Oregon
Pennsylvania	288	22	38	30 10	Pennsylvania
Rhode Island	278	32	41	22 6	Rhode Island
South Carolina	280	31	39	23 7	South Carolina
South Dakota	291	17	41	34 7	South Dakota
Tennessee	275	35	39	21 4	Tennessee
Texas	287	22	41	28 8	Texas
Utah	284	25	40	29 7	Utah
Vermont	293	19	38	31 13	Vermont
Virginia	286	24	41	27 8	Virginia
Washington	289	22	39	29 11	Washington
West Virginia	270	39	41	17 2	West Virginia
Wisconsin	288	21	40	31 8	Wisconsin
Wyoming	286	22	43	28 7	Wyoming
r jurisdictions					Other jurisdiction
ct of Columbia	254	60	29	9 2	District of Colum
DoDEA ¹	287	21	43	30 6	DoDEA ¹

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.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2009 Mathematics Assessment.

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