

NAEP 2007: Reading and Mathematics, Grades 4 and 8

New Jersey State Board of Education
Work Session

*Jay Doolan, Assistant Commissioner, Division of
Educational Standards and Programs*

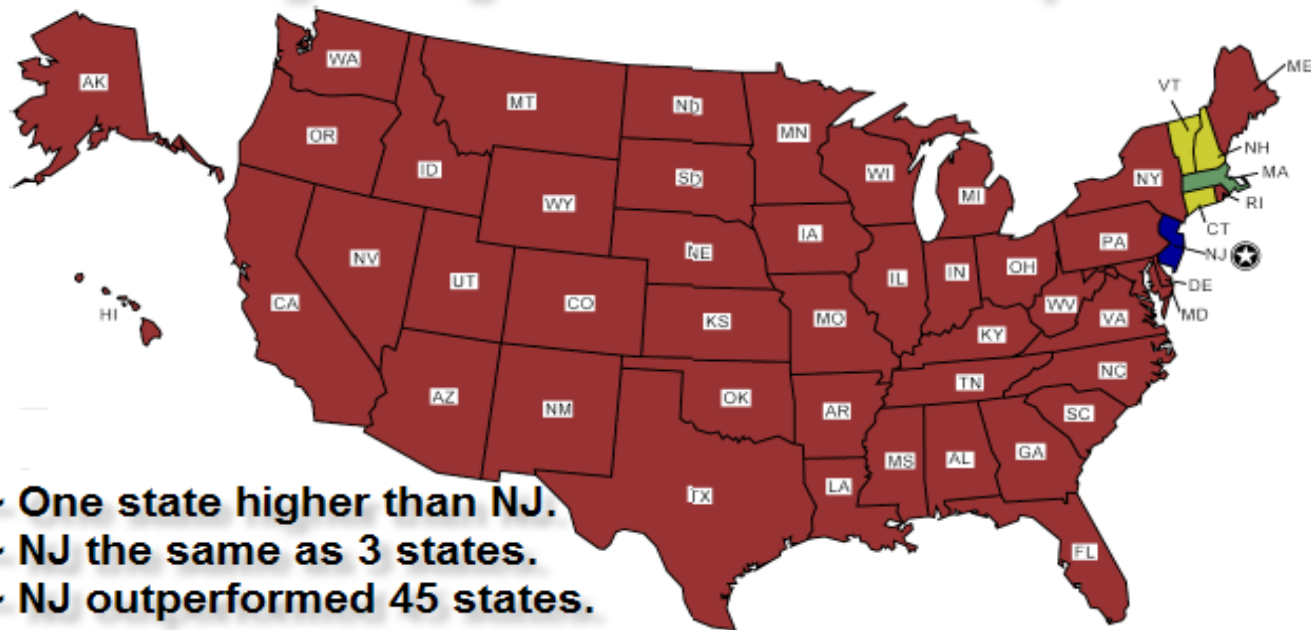
Timothy Peters, Director, Office of State Assessments
October 17, 2007





New Jersey NAEP Highlights

- New Jersey led the nation in reading and math at grade 4, and in math at grades 8
- At the 4th -grade level
 - Only one state (Massachusetts) was higher in both reading and math
 - Black and Hispanic students narrowed the gaps

Grade 4 Reading (Scale Scores)

Using Average Scale Scores to Compare States



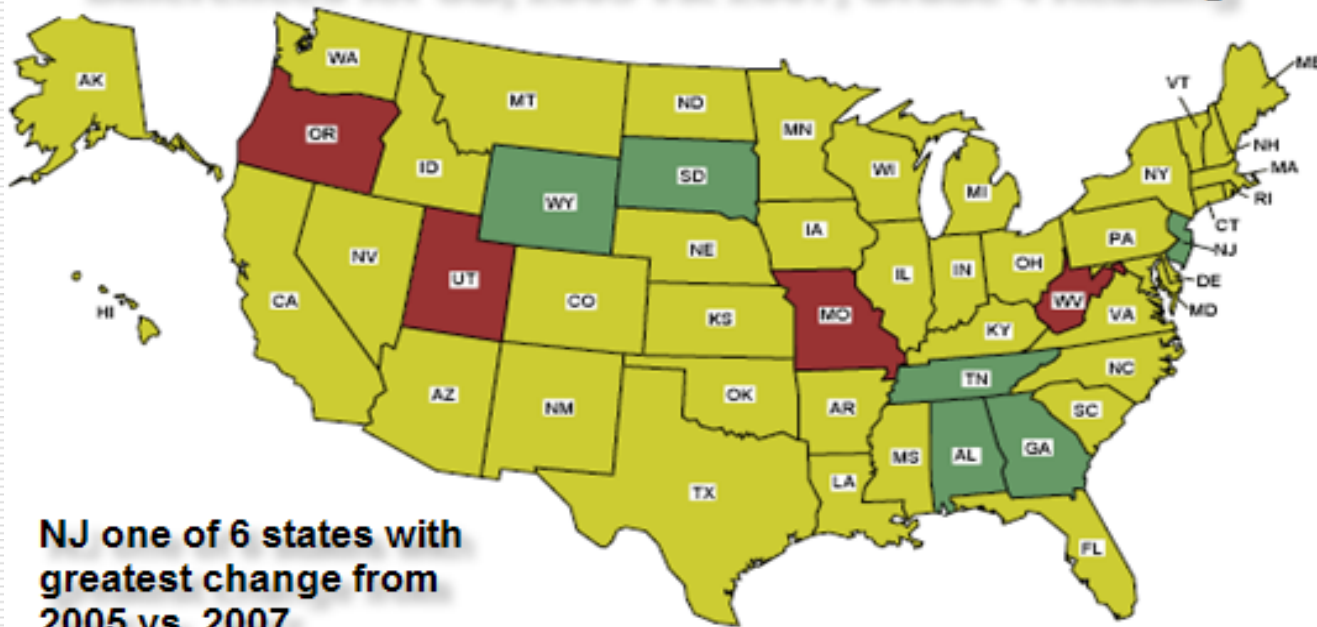
-  Focal state/jurisdiction (New Jersey)
-  Higher average scale score than New Jersey (1 jurisdiction)
-  Not significantly different from New Jersey (4 jurisdictions)
-  Lower average scale score than New Jersey (nation and 46 jurisdictions)

Reading Up for Key Subgroups, Grade 4 (Scale Scores)

GRADE 4 READING Average Scale Score	New Jersey		
	2007	2005	Change
Overall	231	223	↑
Males	228	221	↑
Females	234	226	↑
White	238	232	↑
Black	212	199	↑
Hispanic	214	206	↑
Eligible for Free-Reduced Lunch	210	203	↑
Not Eligible for Free-Reduced Lunch	238	232	↑
Students with Disabilities	202	188	↑
Students without Disabilities	233	228	↑
English language learners	188	N/A	
Not English language learners	232	224	↑

Students with Disabilities (SD), Increased Scale Scores, Grade 4

Differences for SD, 2005 vs. 2007, Grade 4 Reading

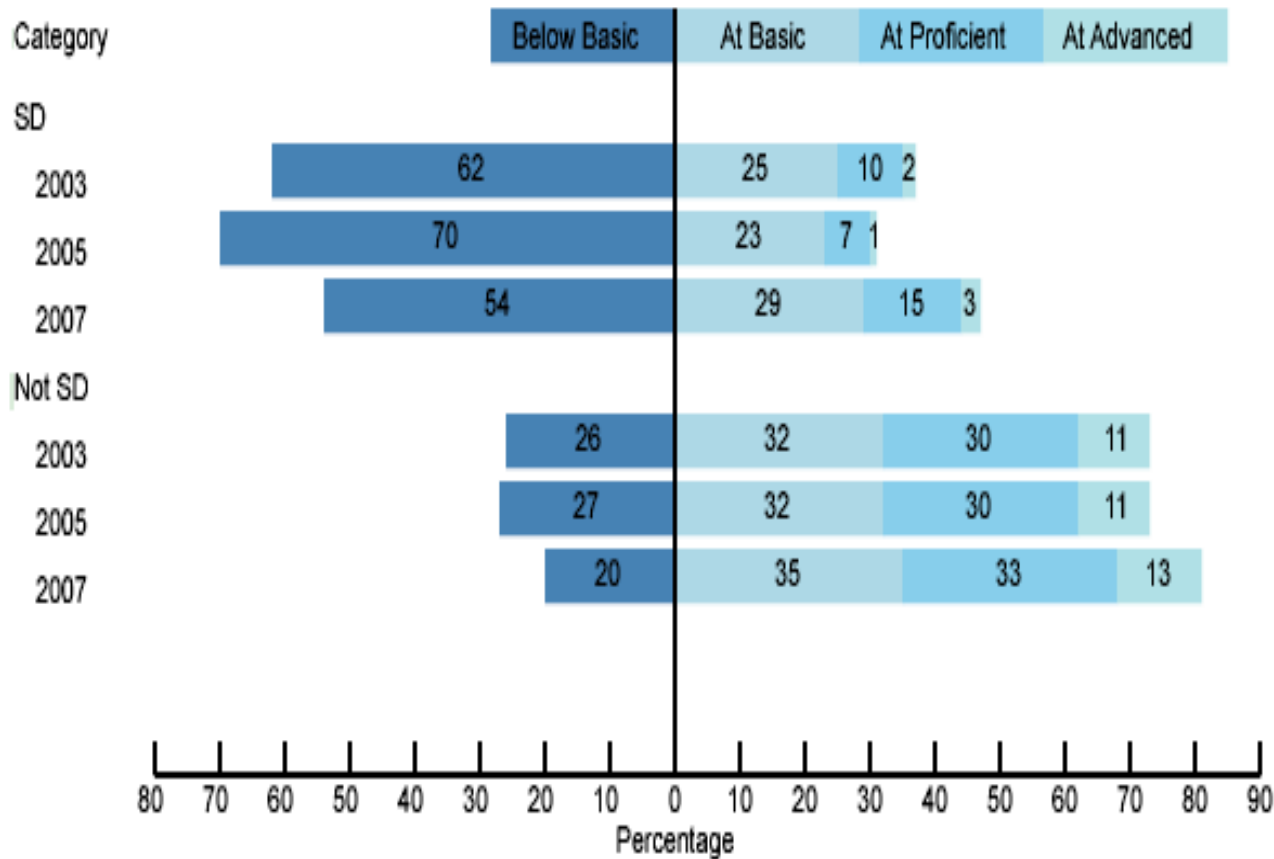


NJ Scale Scores:

188 points
(2005)

202 points
(2007)

SD: Reduction in "Below Basic," Reading Grade 4



New Jersey:
Significantly greater percentage of SD in the "Basic" and "Proficient" levels in 2007 as compared with 2005.

Grade 4 Reading Gaps (Scale Scores)

- The White/Black gap narrowed by 7 scale score points: (26 pts in 2007 from 33 pts in 2005)
- The White/Hispanic gap narrowed by 2 scale score points: (24 pts in 2007 from 26 pts in 2005)
- The male/female achievement gap continued unchanged (6 scale score points in 2007 from 5 scale score points in 2005)

These Reading Gains Did Not Happen by Chance

High Quality Preschool Education

- Early Literacy Task Force begun in 2002
- Reading Coaches and Professional Development for Teachers, K-3, through the
 - Abbott Intensive Early Literacy Program
 - Reading First Grant, and
 - Governor's Literacy Initiative
- Collaboration between the Offices of Special Education and Literacy
- New Jersey's Standards and Assessments

The NAEP Sample: A Reliable Estimate of All NJ Schools

		MEAN
		<i>(Scale Scores)</i>
NJASK 4 (2007) LAL	NAEP Sample	216.6
	All New Jersey Schools	215.7
GEPA (2007) LAL	NAEP Sample	215.2
	All New Jersey Schools	214.9

2007 NJASK 4 -- LAL		
NAEP Sampled Schools		
Partially Proficient	Proficient	Advanced
18.2	74.5	7.3
All New Jersey Schools		
19.4	73.9	6.7
2007 GEPA -- LAL		
NAEP Sampled School		
Partially Proficient	Proficient	Advanced
25.7	63.2	11.1
All New Jersey Schools		
26.4	62.4	11.3

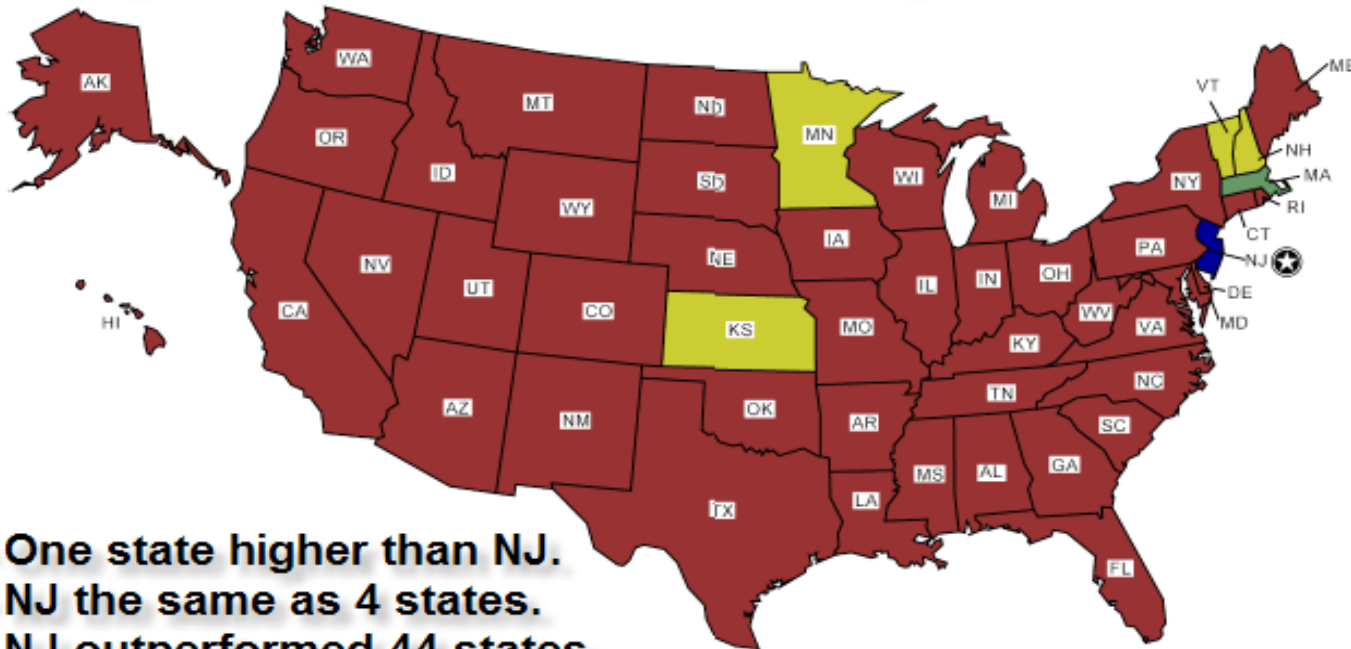
NAEP 2007: Other Test Results

Let's turn to the other NAEP 2007 assessments:

- Mathematics, Grade 4;
 - Compared favorably with other states
 - Changes were not as dramatic as in reading, but did see improvements in many reporting groups
- Reading, Grade 8
- Mathematics, Grade 8

Grade 4 Mathematics (Scale Scores)

Using Average Scale Scores to Compare States



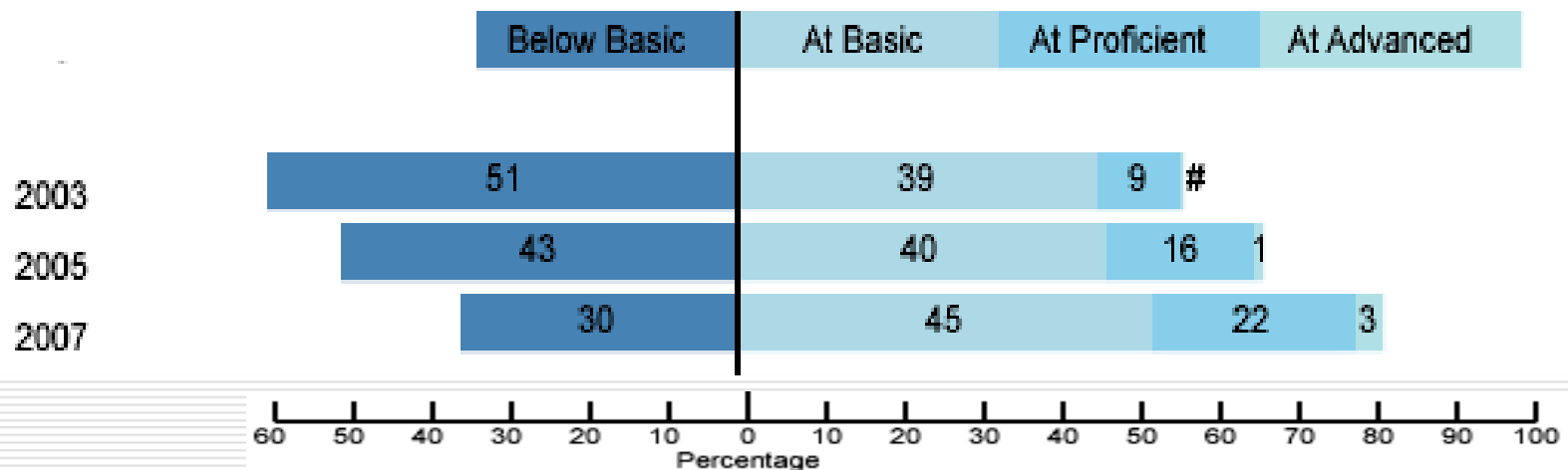
- Focal state/jurisdiction (New Jersey)
- Higher average scale score than New Jersey (1 jurisdiction)
- Not significantly different from New Jersey (4 jurisdictions)
- Lower average scale score than New Jersey (nation and 46 jurisdictions)

Math Up for Most Subgroups

GRADE 4 MATHEMATICS	New Jersey		
Average Scale Score	2007	2005	Change
Overall	249	244	↑
Males	250	246	↑
Females	247	242	↑
White	255	251	↑
Black	232	224	↑
Hispanic	234	230	↔
Eligible for Free-Reduced Lunch	233	227	↔
Not Eligible for Free-Reduced Lunch	255	252	↔
Students with Disabilities	229	218	↑
Students without Disabilities	251	248	↑
English Language Learner	218	222	↔
Not English Language Learner	250	245	↑

SD: Reduction in “Below Basic,” Mathematics, Grade 4

New Jersey Students with Disabilities, Math, Grade 4



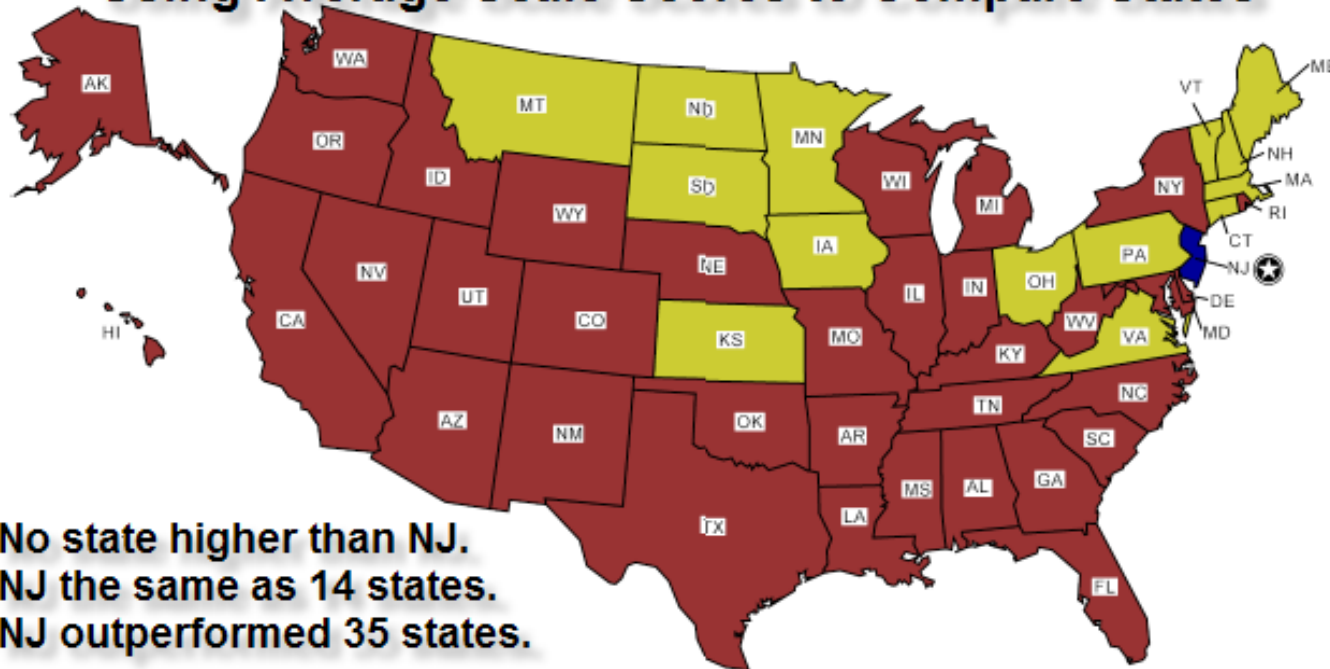
In 2007, 70% of New Jersey SD students were at or above *Basic* (i.e. defined as “grade-level” performance for NAEP), compared with 49% of the SD students in 2005





Grade 4 Mathematics Gaps

- The White/Black gap narrowed: (23 scale score points in 2007 from 38 scale score points in 1992)
- The White/Hispanic gap narrowed: (21 scale score points in 2007 from 32 scale score points in 1992)

Grade 8 Reading (Scale Scores)

Using Average Scale Scores to Compare States



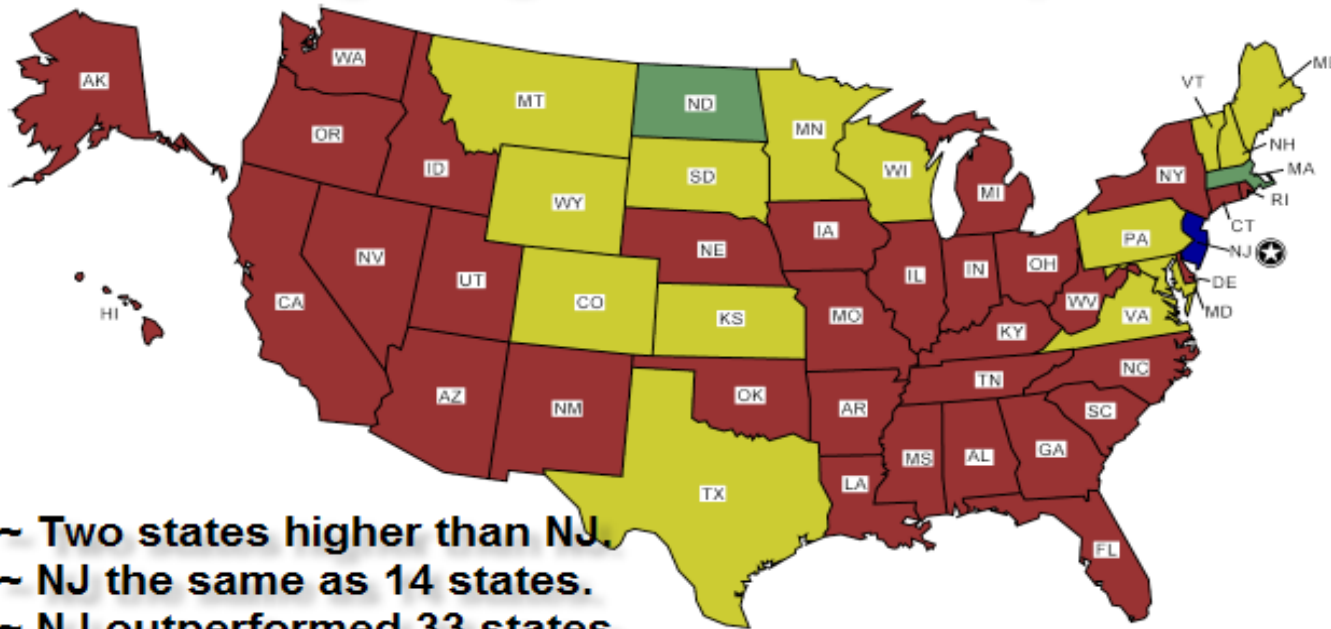
-  Focal state/jurisdiction (New Jersey)
-  Higher average scale score than New Jersey (none)
-  Not significantly different from New Jersey (15 jurisdictions)
-  Lower average scale score than New Jersey (nation and 36 jurisdictions)

Grade 8 Reading

- New Jersey's reading results were flat since 2003 as were the results from the nation's public schools
- There were no changes in the New Jersey racial/ethnic gaps since 2003

Grade 8 Mathematics (Scale Scores)

Using Average Scale Scores to Compare States



- 🇺🇸 Focal state/jurisdiction (New Jersey)
- 🟢 Higher average scale score than New Jersey (2 jurisdictions)
- 🟡 Not significantly different from New Jersey (14 jurisdictions)
- 🔴 Lower average scale score than New Jersey (nation and 35 jurisdictions)

Grade 8 Mathematics

- New Jersey's average scale scores were higher in 2007 (289) as compared with all previous tests
- "Female" was the only demographic group that scores higher in 2007 than in 2005
- The White/Hispanic gap narrowed since 1990: (27 scale score points in 2007 from 37 scale score points in 1990)

Summary

- New Jersey 4th grade students made significant progress especially in reading and also in mathematics since 2005
- New Jersey's 8th grade students improved in mathematics from 2005 to 2007, but were unchanged in reading

NAEP 2007

**ARE THERE ANY
QUESTIONS?**