

Chapter 8. State Indicators

8-5B Eighth Grade Mathematics Performance, Black Students

Description

This indicator represents the average score in mathematics of each state's eighth grade public school students on the National Assessment of Educational Progress (NAEP). The NAEP mathematics assessment is a congressionally authorized measure of student performance that is conducted by the National Center for Education Statistics. It measures students' knowledge and skills in mathematics and their ability to apply that knowledge in the content areas of number properties and operations; measurement; geometry; data analysis, statistics, and probability; and algebra. Student performance is presented in terms of average scores on a scale from 0 to 500.

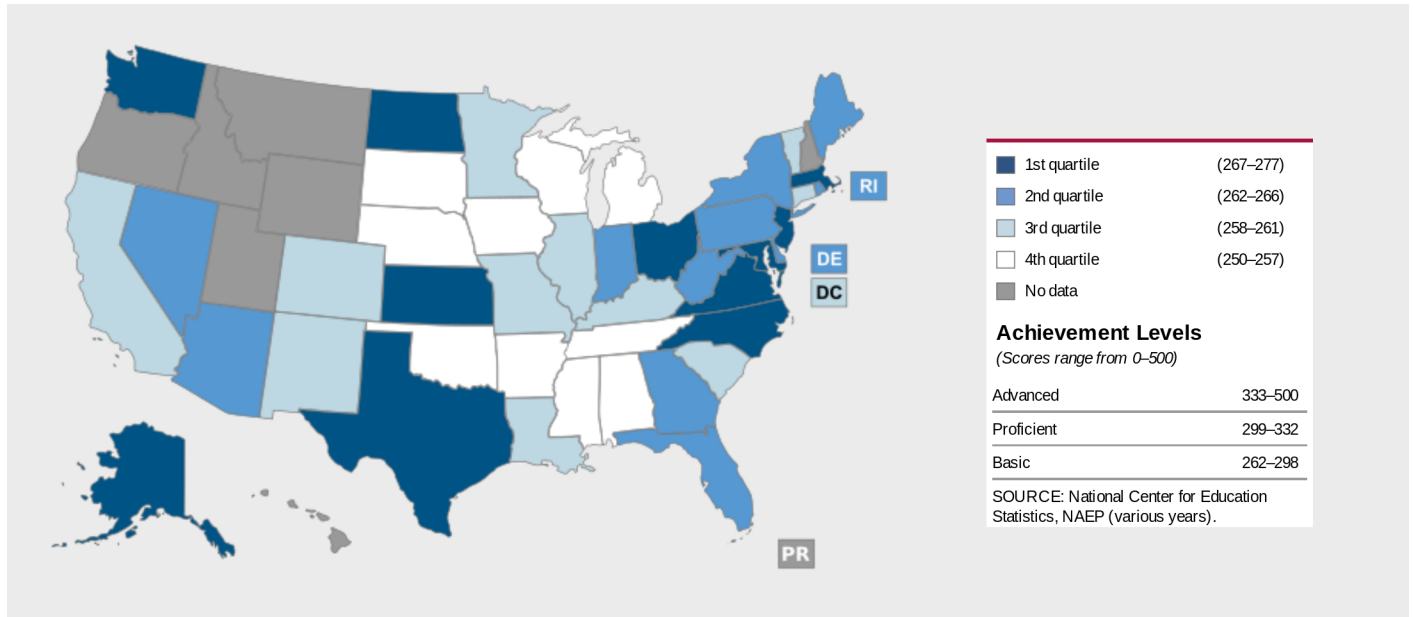
Approximately 164,600 eighth grade students, of whom 25,000 were black, participated in the 2013 NAEP mathematics assessment. All 50 states and the District of Columbia participated in the 2013 NAEP mathematics assessment. Students with disabilities or limited English-language proficiency are allowed to use certain accommodations (e.g., extra testing time or individual rather than group administration). All data presented here represent scores from tests taken with accommodations offered. Demographic percentages of test takers by state are included in this indicator's standard error table. For national data across all demographic groups, see indicator 8-5.

Findings

- Percentages of black test takers in 2013 varied on a state level from 1% to 46%. Nationally, in 2013, 15% of eighth grade mathematics test takers were black students compared with 17% in 2003.
- In 2013, the nationwide average mathematics score of black eighth grade students was 263, an increase from 252 in 2003. In 2013, the nationwide average mathematics score of eighth grade students was 284.
- Average mathematics scores varied significantly across states, ranging from 250 to 277.
- None of the reported statewide averages were lower in 2013 than in 2003. Almost all reported statewide averages were higher in 2013 than in 2003, except for the statewide average scores for Alaska, Colorado, Iowa, Michigan, Minnesota, Nebraska, New Mexico, Oklahoma, South Carolina, and Washington, which were virtually the same in 2013 as in 2003.

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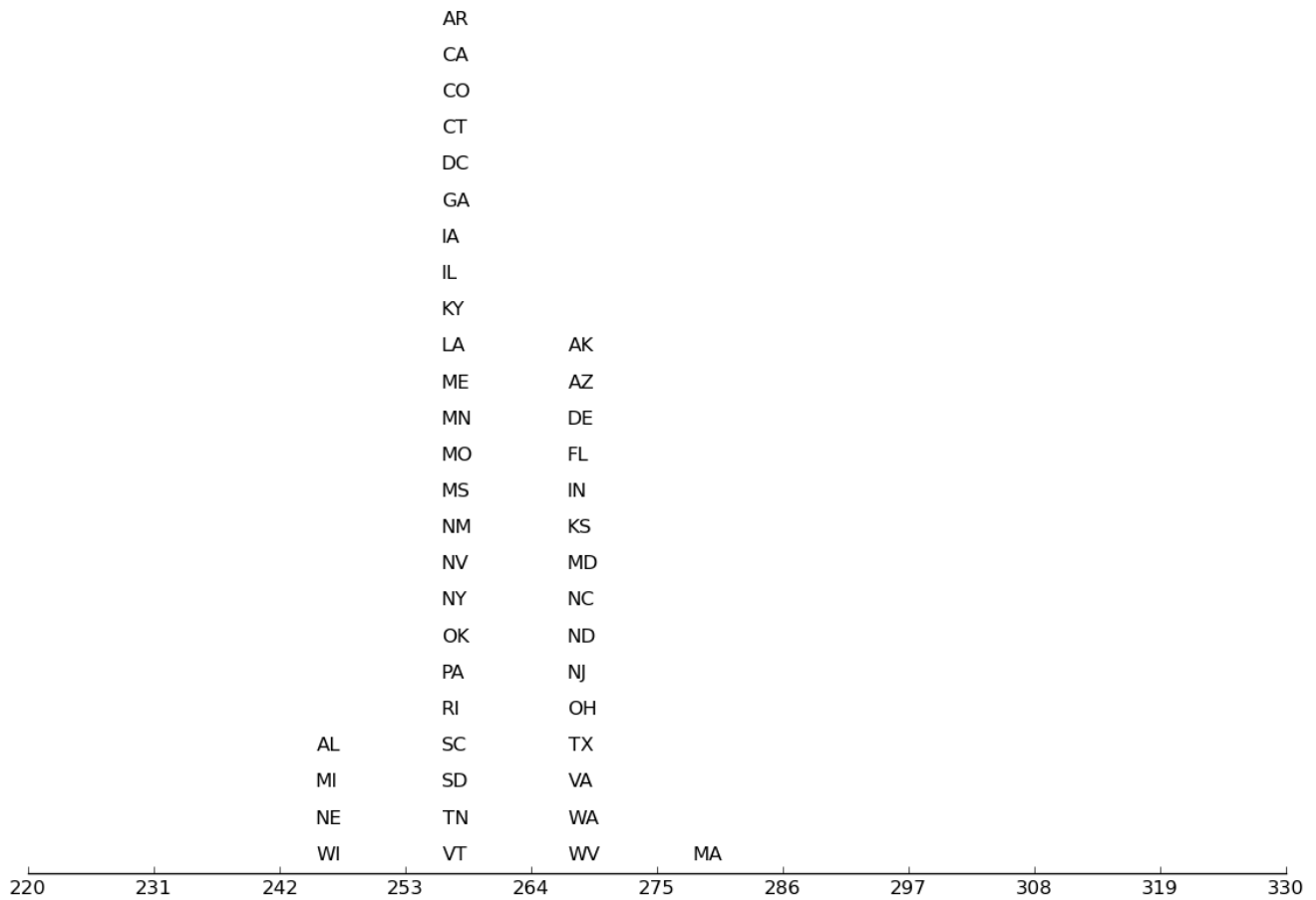
Year: 2013



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Distribution of states across indicator values



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Table 8-5B Eighth Grade Mathematics Performance, Black Students

State	8th grade math performance, black students (Score out of 500)						
	2000	2003	2005	2007	2009	2011	2013
United States	243	252	254	259	260	262	263
Alabama	240	240	240	246	248	250	250
Alaska	NA	263	266	271	268	273	270
Arizona	244	256	261	266	269	269	266
Arkansas	227	239	243	254	251	257	255
California	235	246	248	253	250	254	258
Colorado	NA	255	256	272	263	270	260
Connecticut	247	255	249	255	261	262	260
Delaware	NA	260	264	265	267	266	264
District of Columbia	231	240	241	245	249	256	261
Florida	NA	249	251	259	264	258	264
Georgia	244	250	255	261	262	262	262
Hawaii	S	S	S	S	271	277	S
Idaho	S	S	S	S	S	S	S
Illinois	252	249	249	253	255	260	260
Indiana	256	251	257	259	266	264	265
Iowa	NA	257	256	257	259	258	255
Kansas	245	252	256	267	264	269	268
Kentucky	250	250	255	257	258	261	260
Louisiana	239	250	252	258	257	259	259
Maine	S	S	S	S	261	265	262
Maryland	244	256	258	265	266	267	268
Massachusetts	258	260	263	264	272	275	277
Michigan	239	245	247	244	246	250	251
Minnesota	S	251	251	260	264	266	260

8th grade math performance, black students (Score out of 500)

State	2000	2003	2005	2007	2009	2011	2013
Mississippi	237	246	247	251	251	255	255
Missouri	238	250	247	253	260	254	260
Montana	S	S	S	S	S	S	S
Nebraska	247	247	243	240	253	255	250
Nevada	244	248	247	255	256	259	263
New Hampshire	NA	S	S	S	S	S	S
New Jersey	NA	253	260	264	267	272	274
New Mexico	S	254	257	264	259	265	258
New York	251	255	259	258	262	264	262
North Carolina	252	260	263	266	262	267	268
North Dakota	S	S	S	S	S	S	272
Ohio	251	257	255	258	260	263	267
Oklahoma	245	249	249	258	261	262	256
Oregon	S	265	258	272	264	263	S
Pennsylvania	NA	247	250	257	260	257	262
Rhode Island	240	244	249	250	256	256	263
South Carolina	247	258	263	265	263	263	261
South Dakota	NA	S	S	S	S	270	254
Tennessee	235	242	246	254	254	252	257
Texas	250	260	264	271	272	277	273
Utah	S	S	S	S	S	S	S
Vermont	S	S	S	S	S	S	258
Virginia	253	262	263	268	268	268	267
Washington	NA	262	265	264	269	265	269
West Virginia	247	253	251	250	263	260	264
Wisconsin	S	241	246	247	254	256	252
Wyoming	S	S	S	S	S	S	S
Puerto Rico	NA	NA	NA	NA	NA	NA	NA

8th grade math performance, black students (Score out of 500)

State	2000	2003	2005	2007	2009	2011	2013
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NA = not available; S = data are suppressed because reporting standards were not met.

SOURCE: National Center for Education Statistics, NAEP (various years).

NOTES: The National Assessment of Educational Progress (NAEP) scores are for public schools only. The national value for the United States is the reported value in the NAEP reports. Black includes African American.

Science and Engineering Indicators 2016