

Chapter 8. State Indicators

8-5E Eighth Grade Mathematics Performance, Female 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.

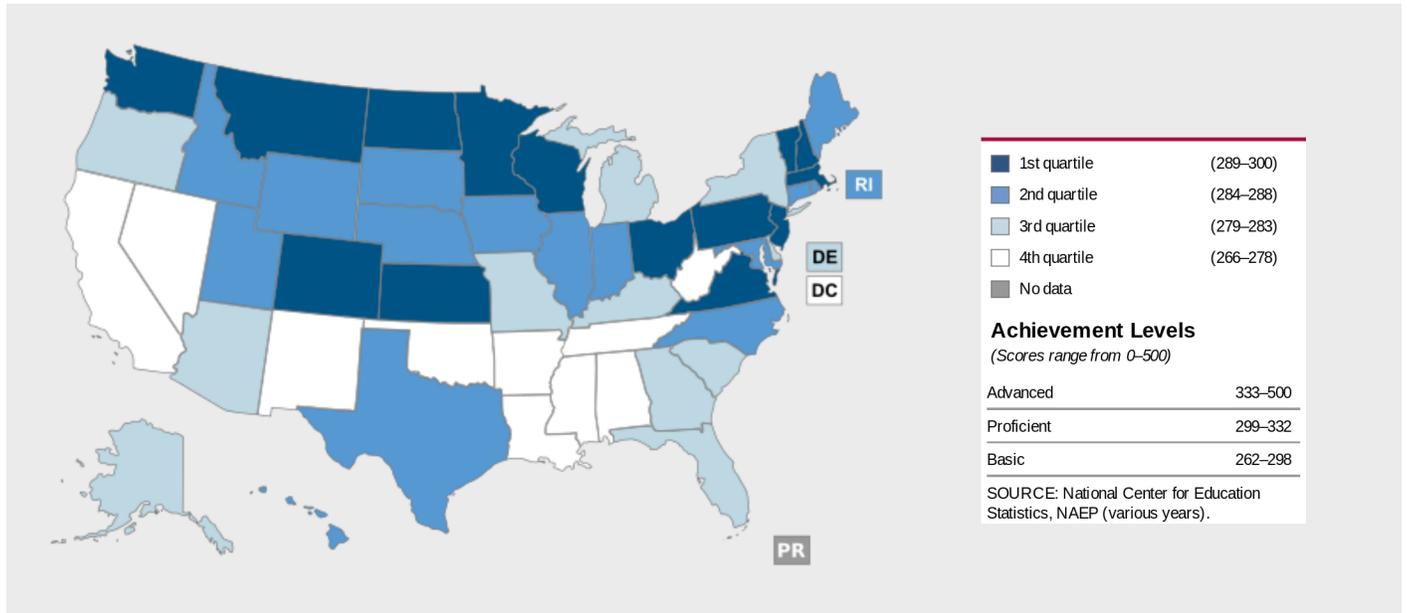
Approximately 164,600 eighth grade students in 6,200 schools participated in the 2013 NAEP mathematics assessment. All 50 states and the District of Columbia participated in the 2013 NAEP mathematics assessment. Students with disabilities or limited English-language proficiency are allowed to use certain 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

- In 2013, the nationwide average mathematics score of female eighth grade students was 283, an increase from 275 in 2003. In comparison, in 2013, the nationwide average mathematics score of eighth grade students (284) was not significantly different from female eighth graders.
- Average mathematics scores varied significantly across states, ranging from 269 to 300.
- None of the statewide averages were lower in 2013 than in 2003. Almost all statewide averages were higher in 2013 than in 2003, except for the statewide average scores for Connecticut, Iowa, Minnesota, and Oregon, which were virtually the same in 2013 as in 2003.

8-5E Eighth Grade Mathematics Performance, Female Students

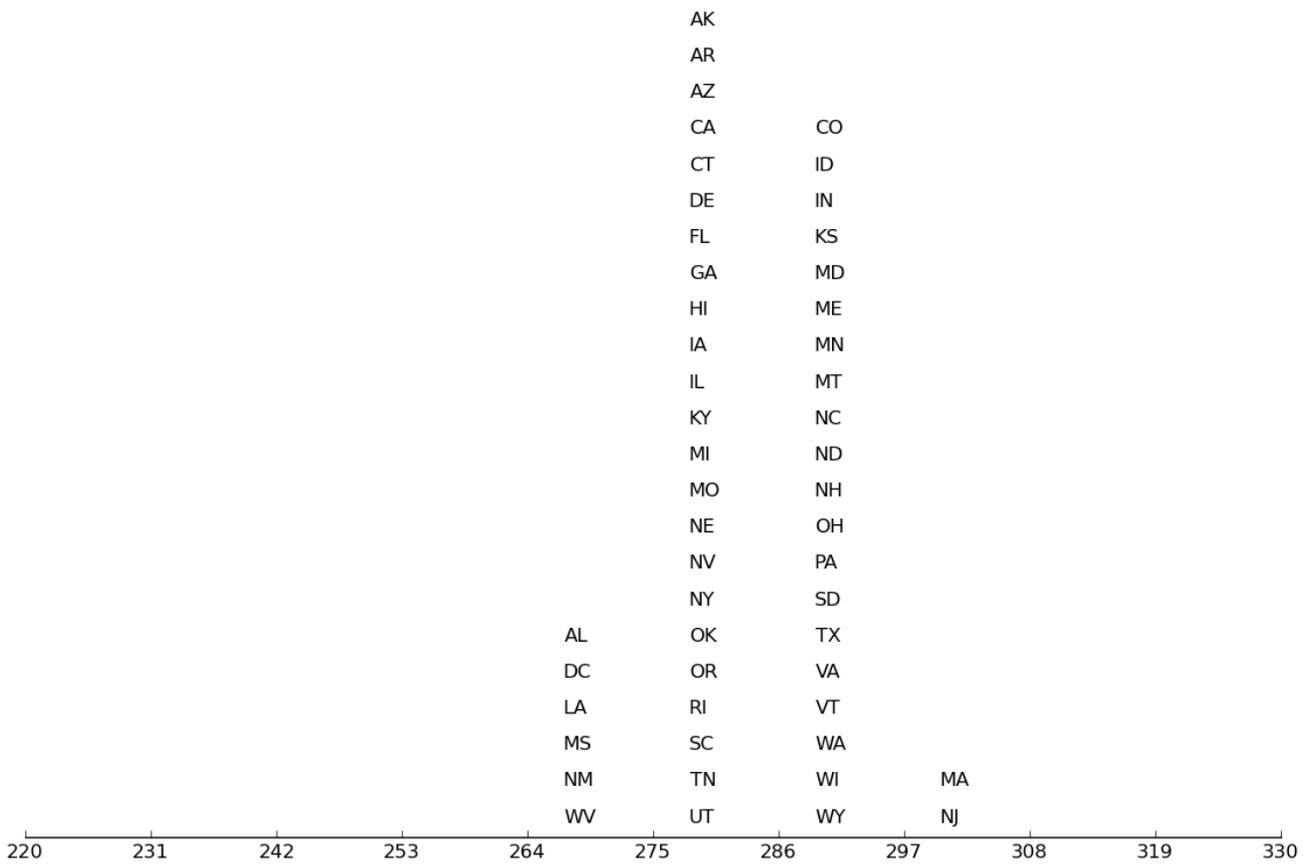
Year: 2013



8-5E Eighth Grade Mathematics Performance, Female Students

Year: 2013

Distribution of states across indicator values



Chapter 8. State Indicators



Table 8-5E Eighth Grade Mathematics Performance, Female Students

State	8th grade math performance, female students (Score out of 500)						
	2000	2003	2005	2007	2009	2011	2013
United States	271	275	277	279	281	282	283
Alabama	263	261	264	265	269	269	269
Alaska	NA	278	278	283	283	284	281
Arizona	266	271	274	274	276	276	279
Arkansas	259	267	273	274	277	278	278
California	260	266	268	270	268	273	275
Colorado	NA	283	281	286	286	292	290
Connecticut	278	283	281	283	289	286	285
Delaware	NA	276	279	281	283	284	281
District of Columbia	234	244	245	248	255	262	266
Florida	NA	269	272	277	278	277	280
Georgia	265	269	272	274	278	278	279
Hawaii	265	266	266	270	276	279	284
Idaho	277	279	282	282	286	286	286
Illinois	278	276	276	279	280	283	285
Indiana	281	280	280	284	285	285	287
Iowa	NA	283	284	284	284	284	284
Kansas	283	284	283	289	287	289	289
Kentucky	269	274	273	277	278	281	280
Louisiana	257	266	268	272	273	274	273
Maine	281	281	280	285	284	289	287
Maryland	272	276	278	284	287	287	287
Massachusetts	278	284	292	296	298	298	300
Michigan	277	276	275	275	277	279	281
Minnesota	287	292	289	292	293	295	294

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

State	2000	2003	2005	2007	2009	2011	2013
Mississippi	253	260	262	264	265	272	271
Missouri	270	278	275	279	285	281	283
Montana	287	286	287	287	291	293	289
Nebraska	277	281	283	282	283	282	285
Nevada	264	268	269	270	273	277	277
New Hampshire	NA	286	285	287	292	292	296
New Jersey	NA	281	282	288	290	294	297
New Mexico	260	263	262	267	269	274	273
New York	270	279	280	280	282	281	283
North Carolina	275	282	282	283	284	287	286
North Dakota	282	287	287	290	291	291	290
Ohio	280	281	282	283	284	288	289
Oklahoma	269	272	271	273	274	278	276
Oregon	278	280	281	283	283	280	282
Pennsylvania	NA	277	279	283	287	285	289
Rhode Island	270	271	273	275	278	283	284
South Carolina	265	274	281	282	280	282	279
South Dakota	NA	284	287	287	289	290	287
Tennessee	260	268	271	271	275	272	278
Texas	275	276	279	285	286	290	288
Utah	272	280	278	280	283	281	284
Vermont	282	286	287	290	292	294	296
Virginia	274	280	283	286	285	289	289
Washington	NA	281	285	285	288	288	289
West Virginia	268	271	270	269	270	272	274
Wisconsin	S	284	284	284	287	287	289
Wyoming	276	283	281	286	284	285	287
Puerto Rico	NA						



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

State	2000	2003	2005	2007	2009	2011	2013
-------	------	------	------	------	------	------	------

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.

Science and Engineering Indicators 2016