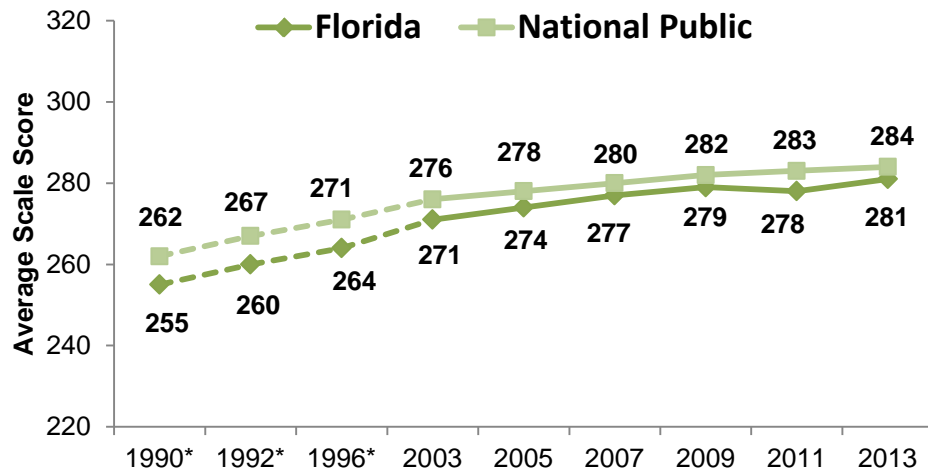


# 1990–2013 NAEP Mathematics, Grade 8 Florida vs. National Public Average Scale Scores



Scale scores range from 0 to 500 and serve as the basis for achievement levels.

1990–2013 NAEP Cut Scores: *Basic* 262 to 298; *Proficient* 299 to 332; *Advanced* 333 to 500; scores below 262 are classified as below *Basic*.



\*Accommodations not permitted.

- Both Florida’s and the nation’s grade 8 public school students had significant *gains* in their average scale scores on NAEP Mathematics between 1990 and 2013 and between 2011 and 2013.
- Between 1990 and 2013, the gains in the average scale scores of Florida’s and the nation’s grade 8 public school students on NAEP Mathematics were *not significantly different*.
- Between 2011 and 2013, Florida was one of only 3 states to have a significant *gain* in their grade 8 Mathematics average scale score (FL, NH, PA).

Comparison of the average scale scores of Florida’s (FL) and the nation’s public (NP) school students.

	1990	1992	1996	2003	2005	2007	2009	2011	2013
<b>FL vs. NP</b>	↓	↓	↓	↓	↓	↓	↓	↓	↓

- ↑ Significantly higher
- ↔ No significant difference
- ↓ Significantly lower

Note: Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors.

Source: U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics Assessment.

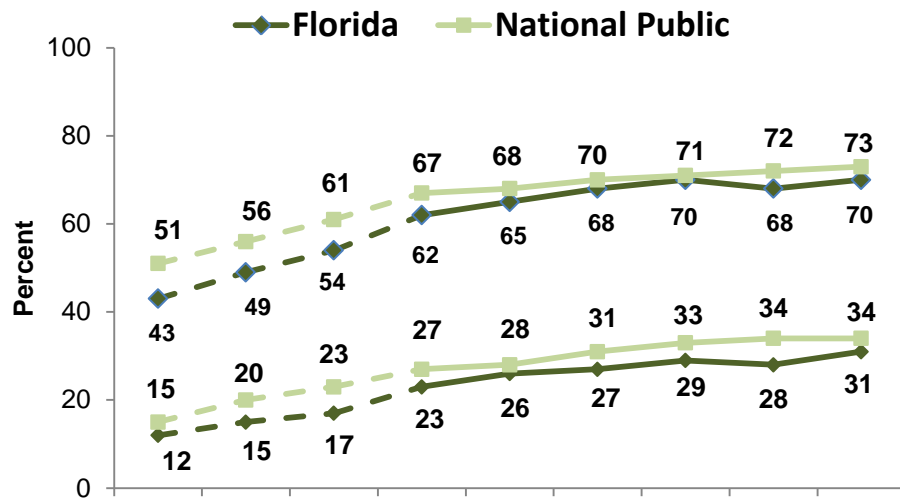
[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 8. Jurisdictions: National Public, Florida. Years: 1990-2013. Variables: All. Edit Reports: Statistics Options, Average Scale Scores.

# 1990–2013 NAEP Mathematics, Grade 8 Florida vs. National Public Achievement Levels, at or above *Basic* and at or above *Proficient*



Scale scores range from 0 to 500 and serve as the basis for achievement levels.

1990–2013 NAEP Cut Scores: *Basic* 262 to 298; *Proficient* 299 to 332; *Advanced* 333 to 500; scores below 262 are classified as below *Basic*.



\*Accommodations not permitted.

Comparison of the percentages of Florida’s (FL) and the nation’s public (NP) school students performing at or above *Basic* and at or above *Proficient*.

	1990	1992	1996	2003	2005	2007	2009	2011	2013
at or above <i>Basic</i> — FL vs. NP	↓	↓	↓	↓	↓	↔	↔	↓	↓
at or above <i>Proficient</i> — FL vs. NP	↓	↓	↓	↓	↓	↓	↓	↓	↓

- ↑ Significantly higher
- ↔ No significant difference
- ↓ Significantly lower

Notes: Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors.  
 at or above *Basic*: Partial mastery of prerequisite knowledge and skills needed for proficient work; .at or above *Proficient*: Mastery of complex material; higher than grade level performance.  
 Source: U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics Assessment.  
[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 8. Jurisdictions: National Public, Florida. Years: 1990-2013. Variables: All. Edit Reports: Statistics Options, Achievement Levels, Cumulative.

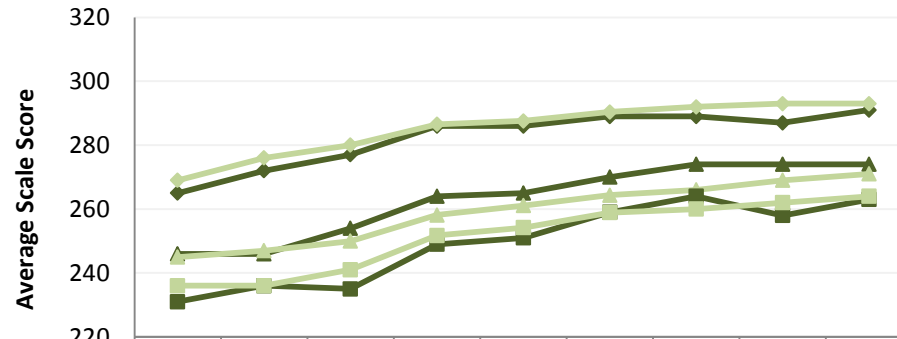
- There was a significant *gain* in the percentage of both Florida’s and the nation’s grade 8 public school students performing at or above *Basic* and at or above *Proficient* on NAEP Mathematics between 1990 and 2013.
- Between 1990 and 2013, the gain in the percentage of Florida’s grade 8 public school students performing at or above *Basic* on NAEP Mathematics was significantly *greater* than the nation’s.
- Between 1990 and 2013, the gains in the percentages of Florida’s and the nation’s grade 8 public school students performing at or above *Proficient* on NAEP Mathematics were *not significantly different*.
- Between 2011 and 2013, the percentage of Florida’s grade 8 public school students performing at or above *Proficient* on NAEP Mathematics improved significantly.

# 1990–2013 NAEP Mathematics, Grade 8 Florida vs. National Public Average Scale Scores, Race/Ethnicity



Scale scores range from 0 to 500 and serve as the basis for achievement levels.

1990–2013 NAEP Cut Scores: *Basic* 262 to 298; *Proficient* 299 to 332; *Advanced* 333 to 500; scores below 262 are classified as below *Basic*.



	1990*	1992*	1996*	2003	2005	2007	2009	2011	2013
Florida White	265	272	277	286	286	289	289	287	291
National Public White	269	276	280	287	288	290	292	293	293
Florida Hispanic	246	246	254	264	265	270	274	274	274
National Public Hispanic	245	247	250	258	261	264	266	269	271
Florida African-American	231	236	235	249	251	259	264	258	263
National Public African-American	236	236	241	252	254	259	260	262	264

\*Accommodations not permitted.

Comparison of the average scale scores of Florida’s (FL) and the nation’s public (NP) school White, Hispanic, and African-American students.

	1990	1992	1996	2003	2005	2007	2009	2011	2013
<b>White – FL vs. NP</b>	↓	↔	↔	↔	↔	↔	↓	↓	↔
<b>Hispanic – FL vs. NP</b>	↔	↔	↔	↑	↑	↑	↑	↑	↑
<b>African-American – FL vs. NP</b>	↔	↔	↔	↔	↔	↔	↔	↓	↔

- ↑ Significantly higher
- ↔ No significant difference
- ↓ Significantly lower

- Florida’s and the nation’s White, Hispanic, and African-American grade 8 public school students had significant *gains* in their average scale scores on NAEP Mathematics between 1990 and 2013.
- There were *no significant differences* between the gains in the average scale scores of Florida’s and the nation’s grade 8 White, Hispanic, and African-American public school students between 1990 and 2013 on NAEP Mathematics.
- Between 2011 and 2013, the average scale scores of Florida’s grade 8 White and African-American public school students improved from scoring below the national average to not significantly different from the national average.

Note: Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors.

Source: U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics Assessment.

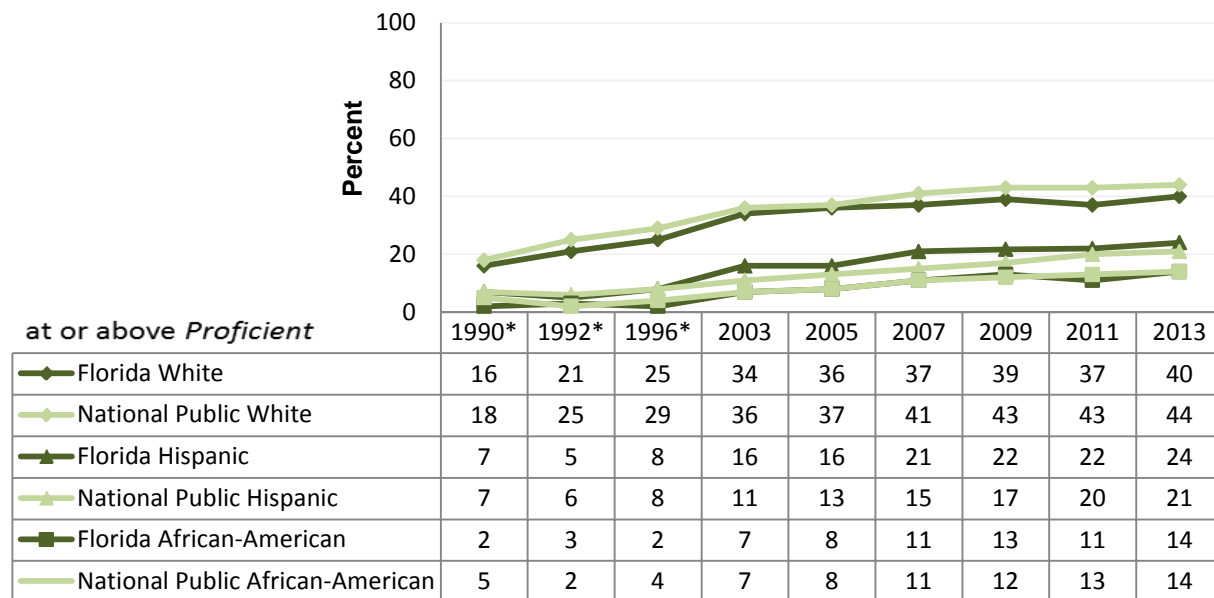
[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 8. Jurisdictions: National Public, Florida. Years: 1990-2013. Variables: Race/Ethnicity used to report trends, school-reported. Edit Reports: Statistics Options, Average Scale Scores.

# 1990–2013 NAEP Mathematics, Grade 8 Florida vs. National Public Achievement Level, at or above *Proficient*, Race/Ethnicity



Scale scores range from 0 to 500 and serve as the basis for achievement levels.

1990–2013 NAEP Cut Scores: *Basic* 262 to 298; *Proficient* 299 to 332; *Advanced* 333 to 500; scores below 262 are classified as below *Basic*.



\*Accommodations not permitted.

Comparison of the percentages of Florida’s (FL) and nation’s public (NP) school White, Hispanic, and African-American students performing at or above *Proficient*.

	1990	1992	1996	2003	2005	2007	2009	2011	2013
<b>White – FL vs. NP</b>	↔	↔	↔	↔	↔	↔	↔	↓	↓
<b>Hispanic – FL vs. NP</b>	↔	↔	↔	↑	↔	↑	↑	↔	↑
<b>African-American – FL vs. NP</b>	↔	↔	↔	↔	↔	↔	↔	↔	↔

↑ Significantly higher  
↔ No significant difference  
↓ Significantly lower

- There were significant *gains* in the percentages of both Florida’s and the nation’s grade 8 public school White, Hispanic, and African-American students performing at or above *Proficient* on NAEP Mathematics between 1990 and 2013.
- There was *no significant difference* between the gains of Florida’s and the nation’s grade 8 White, Hispanic, and African-American public school students between 1990 and 2013 performing at or above *Proficient* on NAEP Mathematics.
- Between 2011 and 2013, Florida’s grade 8 public school Hispanic students improved from scoring not significantly different from the nation to significantly higher than the nation.

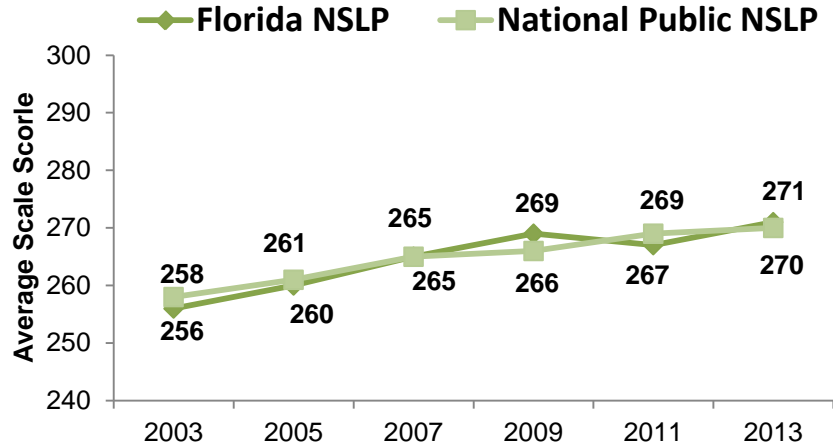
Notes: Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors. at or above *Basic*: Partial mastery of prerequisite knowledge and skills needed for proficient work.; at or above *Proficient*: Mastery of complex material; higher than grade level performance. Source: U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics Assessment.

[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 8. Jurisdictions: National Public, Florida. Years: 1990-2013. Variables: Race/Ethnicity used to report trends, school-reported. Edit Reports: Statistics Options, Achievement Levels, Cumulative.

## 2003–2013 NAEP Mathematics, Grade 8 Florida vs. National Public Average Scale Scores, Eligibility for National School Lunch Program (NSLP)

Scale scores range from 0 to 500 and serve as the basis for achievement levels.

2003–2013 NAEP Cut Scores: *Basic* 262 to 298; *Proficient* 299 to 332; *Advanced* 333 to 500; scores below 262 are classified as below *Basic*.



- Both Florida’s and the nation’s grade 8 public school students eligible for the National School Lunch Program (NSLP) had significant *gains* in their average scale scores on NAEP Mathematics between 2003 and 2013 and between 2011 and 2013
- Between 2011 and 2013, the average scale scores of Florida’s grade 8 public school students eligible for the National School Lunch Program (NSLP) participating in NAEP Mathematics improved from being significantly lower than the nation to being not significantly different from the nation.

Comparison of the average scale scores of Florida’s (FL) and the nation’s public (NP) school students eligible for the National School Lunch Program (NSLP).

	2003	2005	2007	2009	2011	2013
NSLP Eligible — FL vs. NP	↔	↔	↔	↔	↓	↔

- ↑ Significantly higher
- ↔ No significant difference
- ↓ Significantly lower

Note: Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors.

Source: U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics Assessment.

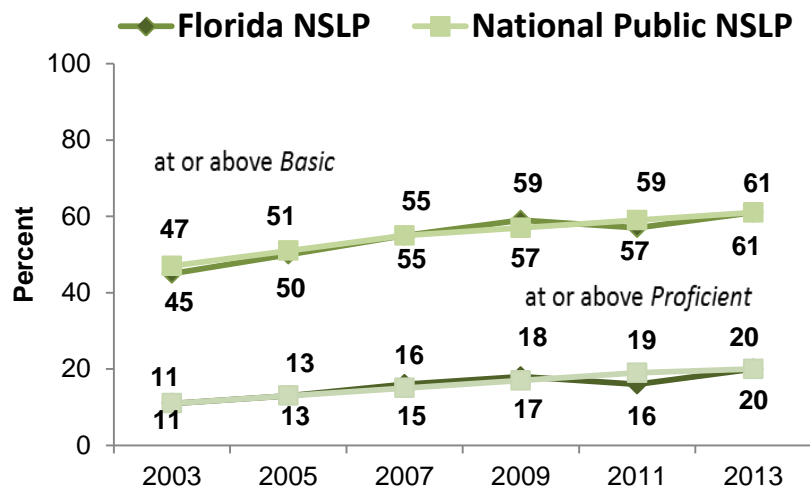
[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 8. Jurisdictions: National Public, Florida. Years: 2003-2013. Variables: National School Lunch Program eligibility, 3 categories. Edit Reports: Statistics Options, Average Scale Scores.

## 2003–2013 NAEP Mathematics, Grade 8 Florida vs. National Public Achievement Levels, at or above *Basic* and at or above *Proficient* Eligibility for National School Lunch Program (NSLP)

Scale scores range from 0 to 500 and serve as the basis for achievement levels.

2003–2013 NAEP Cut Scores: *Basic* 262 to 298; *Proficient* 299 to 332; *Advanced* 333 to 500; scores below 262 are classified as below *Basic*.

- There was a significant *gain* in the percentage of both Florida's and the nation's grade 8 public school students eligible for the National School Lunch Program (NSLP) performing at or above *Basic* and at or above *Proficient* on NAEP Mathematics between 2003 and 2013.
- Between 2011 and 2013, there was a *gain* the percentage of Florida's grade 8 public school students eligible for the National School Lunch Program (NSLP) performing at or above *Proficient* on NAEP Mathematics.
- Between 2011 and 2013, the percentage of Florida's grade 8 public school students eligible for the National School Lunch Program (NSLP) performing at or above *Proficient* on NAEP Mathematics improved from being below the national average to being not significantly different from the national average.



Comparison of the percentages of Florida's (FL) and the nation's public (NP) school students eligible for the National School Lunch Program (NSLP) performing at or above *Basic* and at or above *Proficient*.

	2003	2005	2007	2009	2011	2013
<b>NSLP Eligible at or above <i>Basic</i> — FL vs. NP</b>	↔	↔	↔	↔	↔	↔
<b>NSLP Eligible at or above <i>Proficient</i> — FL vs. NP</b>	↔	↔	↔	↔	↓	↔

- ↑ Significantly higher
- ↔ No significant difference
- ↓ Significantly lower

Notes: Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors.

at or above *Basic*: Partial mastery of prerequisite knowledge and skills needed for proficient work; at or above *Proficient*: Mastery of complex material; higher than grade level performance.

Source: U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics Assessment.

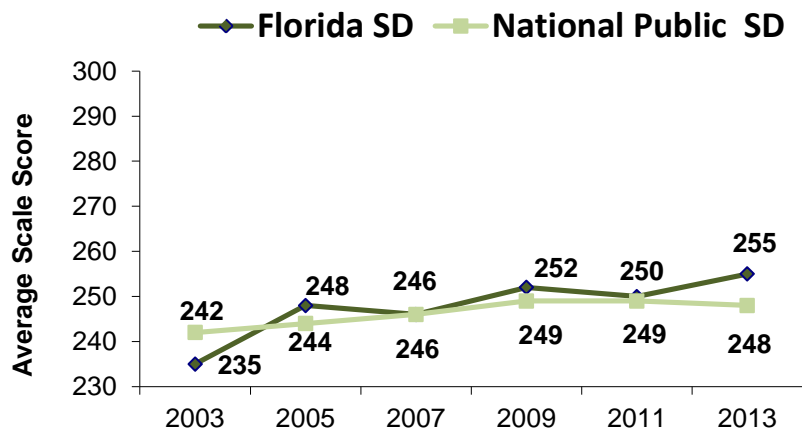
[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 8. Jurisdictions: National Public, Florida. Years: 2003-2013. Variables: National School Lunch Program eligibility, 3 categories. Edit Reports: Statistics Options, Achievement Levels, Cumulative.

## 2003–2013 NAEP Mathematics, Grade 8 Florida vs. National Public Average Scale Scores, Students with Disabilities (SD)



Scale scores range from 0 to 500 and serve as the basis for achievement levels.

2003–2013 NAEP Cut Scores: *Basic* 262 to 298; *Proficient* 299 to 332; *Advanced* 333 to 500; scores below 262 are classified as below *Basic*.



- Both Florida’s and the nation’s grade 8 public school students with disabilities (SD) had significant *gains* in their average scale scores on NAEP Mathematics between 2003 and 2013.
- Between 2003 and 2013, the gain in the average scale score of Florida’s grade 8 public school students with disabilities (SD) on NAEP Mathematics was significantly *greater* than the nation’s.
- Between 2011 and 2013, the average scale scores of Florida’s grade 8 public school students with disabilities (SD) improved from being not significantly different from the national average to significantly higher than the national average.

Comparison of the average scale score of Florida’s (FL) and the nation’s public (NP) school students with disabilities (SD).

	2003	2005	2007	2009	2011	2013
SD — FL vs. NP	↓	↔	↔	↔	↔	↑

- ↑ Significantly higher
- ↔ No significant difference
- ↓ Significantly lower

Note: Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors.

Source: U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics Assessment.

[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 8. Jurisdictions: National Public, Florida. Years: 2003-2013. Variables: Disability status of student, including those with 504 plan. Edit Reports: Statistics Options, Average Scale Scores.

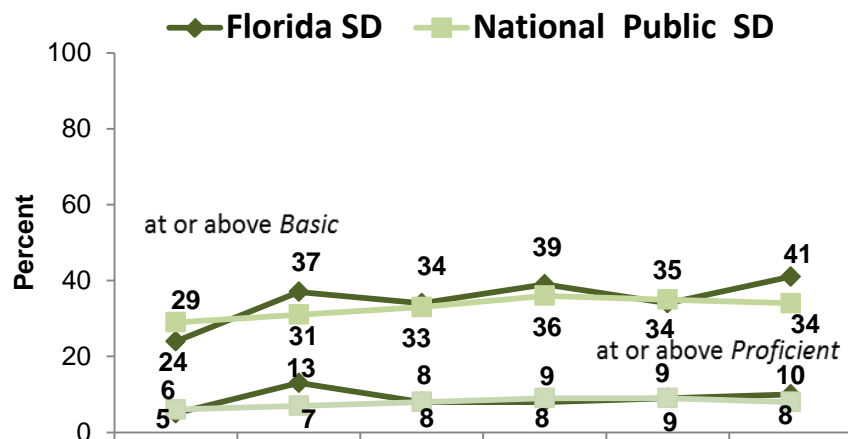


# 2003–2013 NAEP Mathematics, Grade 8 Florida vs. National Public Achievement Levels, at or above *Basic* and at or above *Proficient* Students with Disabilities (SD)



Scale scores range from 0 to 500 and serve as the basis for achievement levels.

2003–2013 NAEP Cut Scores: *Basic* 262 to 298; *Proficient* 299 to 332; *Advanced* 333 to 500; scores below 262 are classified as below *Basic*.



- There was a significant *gain* in the percentage of both Florida’s and the nation’s grade 8 public school students with disabilities (SD) performing at or above *Basic* and the nation’s SD performing at or above *Proficient* on NAEP Mathematics between 2003 and 2013.
- Between 2003 and 2013, the changes in the percentages of Florida’s grade 8 public school students with disabilities (SD) performing at or above *Basic* on NAEP Mathematics were significantly *greater* than the nation’s.
- Between 2011 and 2013, the percentage Florida’s grade 8 public school students with disabilities (SD) performing at or above *Basic* improved from being not significantly different from the nation to greater than the nation.

Comparison of the percentages of Florida’s (FL) and the nation’s public (NP) school students with disabilities (SD) performing at or above *Basic* and at or above *Proficient*.

	2003	2005	2007	2009	2011	2013
SD at or above <i>Basic</i> — FL vs. NP	↔	↑	↔	↔	↔	↑
SD at or above <i>Proficient</i> — FL vs. NP	↔	↑	↔	↔	↔	↔

- ↑ Significantly higher
- ↔ No significant difference
- ↓ Significantly lower

Notes: Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors.  
at or above *Basic*: Partial mastery of prerequisite knowledge and skills needed for proficient work; at or above *Proficient*: Mastery of complex material; higher than grade level performance.  
Source: U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics Assessment.

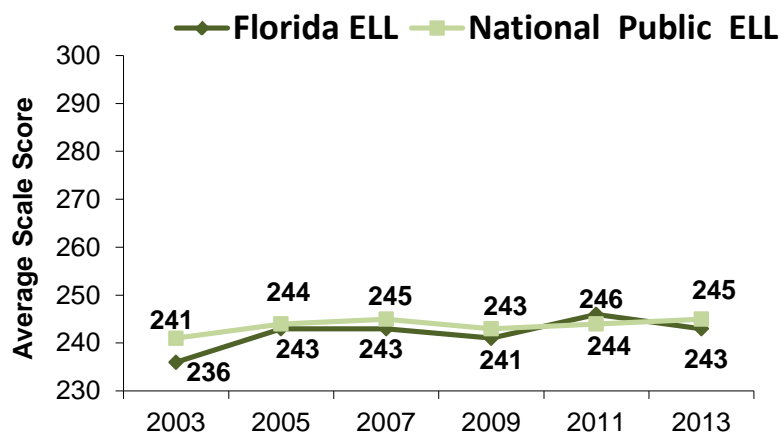
[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 8. Jurisdictions: National Public, Florida. Years: 2003-2013. Variables: Disability status of student, including those with 504 plan.  
Edit Reports: Statistics Options, Achievement Levels, Cumulative.



## 2003–2013 NAEP Mathematics, Grade 8 Florida vs. National Public Average Scale Scores, English Language Learners (ELLs)

Scale scores range from 0 to 500 and serve as the basis for achievement levels.

2003–2013 NAEP Cut Scores: *Basic* 262 to 298; *Proficient* 299 to 332; *Advanced* 333 to 500; scores below 262 are classified as below *Basic*.



- The nation’s grade 8 public school English language learners (ELLs) made a significant *gain* in their average scale scores on NAEP Mathematics between 2003 and 2013. Florida’s ELL average scale score change between 2003 and 2013 was *not significant*.
- Between 2003 and 2013, the changes in the average scale scores of Florida’s and the nation’s grade 8 public school English language learners (ELLs) on NAEP Mathematics were *not significantly different*.

Comparison of the average scale scores of Florida’s (FL) and the nation’s public (NP) school English language learners (ELLs).

	2003	2005	2007	2009	2011	2013
ELL — FL vs. NP	↔	↔	↔	↔	↔	↔

- ↑ Significantly higher
- ↔ No significant difference
- ↓ Significantly lower

Note: Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors.

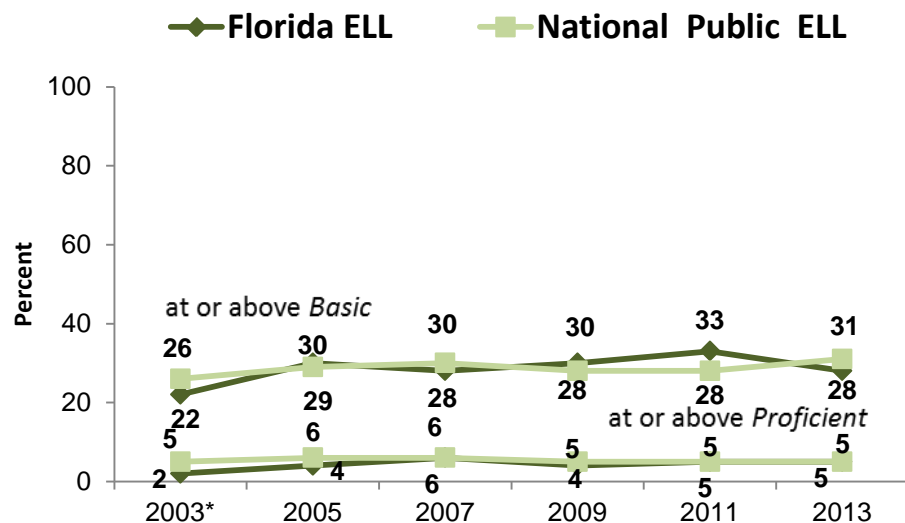
Source: U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics Assessment.

[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 8. Jurisdictions: National Public, Florida. Years: 2003-2013. Variables: Status as English Language Learner, 2 categories. Edit Reports: Statistics Options, Average Scale Scores.

## 2003–2013 NAEP Mathematics, Grade 8 Florida vs. National Public Achievement Levels, at or above *Basic* and at or above *Proficient* English Language Learners (ELLs)

Scale scores range from 0 to 500 and serve as the basis for achievement levels.

2003–2013 NAEP Cut Scores: *Basic* 262 to 298; *Proficient* 299 to 332; *Advanced* 333 to 500; scores below 262 are classified as below *Basic*.



- There was a significant *gain* in the percentage of the nation’s grade 8 public school English language learners (ELLs) performing at or above *Basic* on NAEP Mathematics between 2003 and 2013. The change in Florida’s percentage of ELLs performing at or above *Basic* was not significant.
- Between 2003 and 2013, the changes in the percentage of Florida’s and the nation’s grade 8 public school English language learners (ELLs) performing at or above *Basic* on NAEP Mathematics were *not significantly different*.
- Between 2005\* and 2013, the changes in the percentages of Florida’s and the nation’s grade 8 public school English language learners (ELLs) performing at or above *Proficient* on NAEP Mathematics were *not significantly different*.

Comparison of the percentages of Florida’s (FL) and the nation’s public (NP) school English language learners (ELLs) performing at or above *Basic* and at or above *Proficient*.

	2003	2005	2007	2009	2011	2013
ELL at or above <i>Basic</i> — FL vs. NP	↔	↔	↔	↔	↔	↔
ELL at or above <i>Proficient</i> — FL vs. NP	*	↔	↔	↔	↔	↔

- ↑ Significantly higher
- ↔ No significant difference
- ↓ Significantly lower

\*For 2003, a significance test could not be performed on the at or above *Proficient* data because reporting standards were not met or appropriate standard errors could not be calculated for one or more estimates in the test.

Notes: Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors. at or above *Basic*: Partial mastery of prerequisite knowledge and skills needed for proficient work; at or above *Proficient*: Mastery of complex material; higher than grade level performance. Source: U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress (NAEP), 2013 Mathematics Assessment.

[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 8. Jurisdictions: National Public, Florida. Years: 2003-2013. Variables: Variables: Status as English Language Learner, 2 categories. Edit Reports: Statistics Options, Achievement Levels, Cumulative.