

# 2003–2015 NAEP Mathematics Race/Ethnicity Gaps, Grade 4



Race/Ethnicity: White, Hispanic and Black

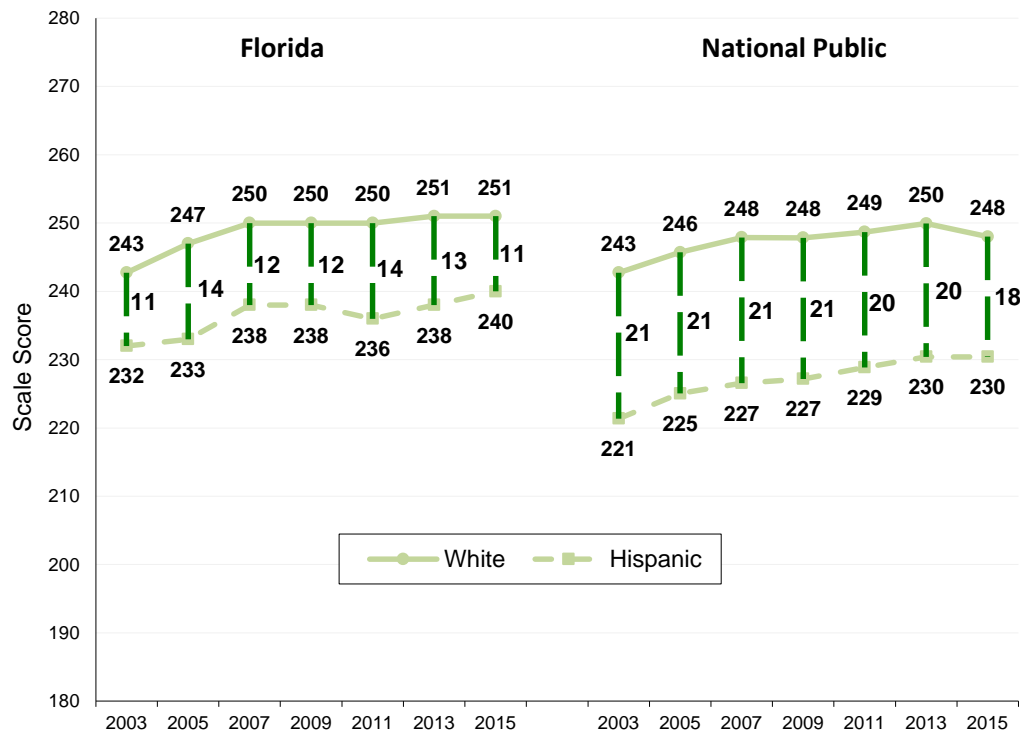
Average Scale Scores, Florida (FL) vs. the National Public (NP)

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

NAEP Cut Scores: *Basic* 214 to 248; *Proficient* 249 to 281; *Advanced* 282 to 500; scores below 214 are classified as below *Basic*.

## White and Hispanic Students

**NAEP Mathematics Grade 4 – White - Hispanic**  
Average Scale Score and Gaps: 2003-2015



**Note:** Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors. The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

**Source:** U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress (NAEP), 2015 Mathematics Assessment.  
[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 4. Jurisdictions: National Public, Florida. Years: 2003-2015. Variables: Race/Ethnicity used to report trends, school-reported. Edit Reports: Statistics Options, Average Scale Scores.

## White/Hispanic – Average Scale Scores Compared

Florida's (FL) average scale scores compared to the National Public's (NP) by Year

	2003	2005	2007	2009	2011	2013	2015
<b>White, FL vs. NP</b>	↔	↔	↑	↑	↔	↔	↑
<b>Hispanic, FL vs. NP</b>	↑	↑	↑	↑	↑	↑	↑

## White/Hispanic – Changes in Average Scale Scores, 2003–2015

Florida's and the National Public's changes over time; Florida's change compared to the Nation's

	White	Hispanic
<b>Florida</b>	↑ 8	↑ 8
<b>National Public</b>	↑ 5	↑ 9
<b>FL Change Compared to NP Change</b>	↔ 3	↔ 1

## White/Hispanic – Average Scale Score Gaps

Florida's gap compared to the Nation's gap by Year

	2003	2005	2007	2009	2011	2013	2015
<b>White/Hispanic Gap, FL vs. NP</b>	↓	↓	↓	↓	↓	↓	↓

## White/Hispanic – Average Scale Score Gap Changes, 2003–2015

Florida's and the National Public's gap changes over time; Florida's gap change compared to the Nation's gap change over time

	White/Hispanic	Change
<b>Florida</b>	↔ 0	11 → 11
<b>National Public</b>	↓ 3	21 → 18
<b>FL Gap Change Compared to NP Gap Change</b>	↔ 3	

- ↑ Significantly higher, larger, increased or wider
- ↔ No significant difference or change
- ↓ Significantly lower, smaller, decreased or narrower

# 2003–2015 NAEP Mathematics Race/Ethnicity Gaps, Grade 4

Race/Ethnicity: White, Black and Hispanic

Average Scale Scores, Florida (FL) vs. the National Public (NP)

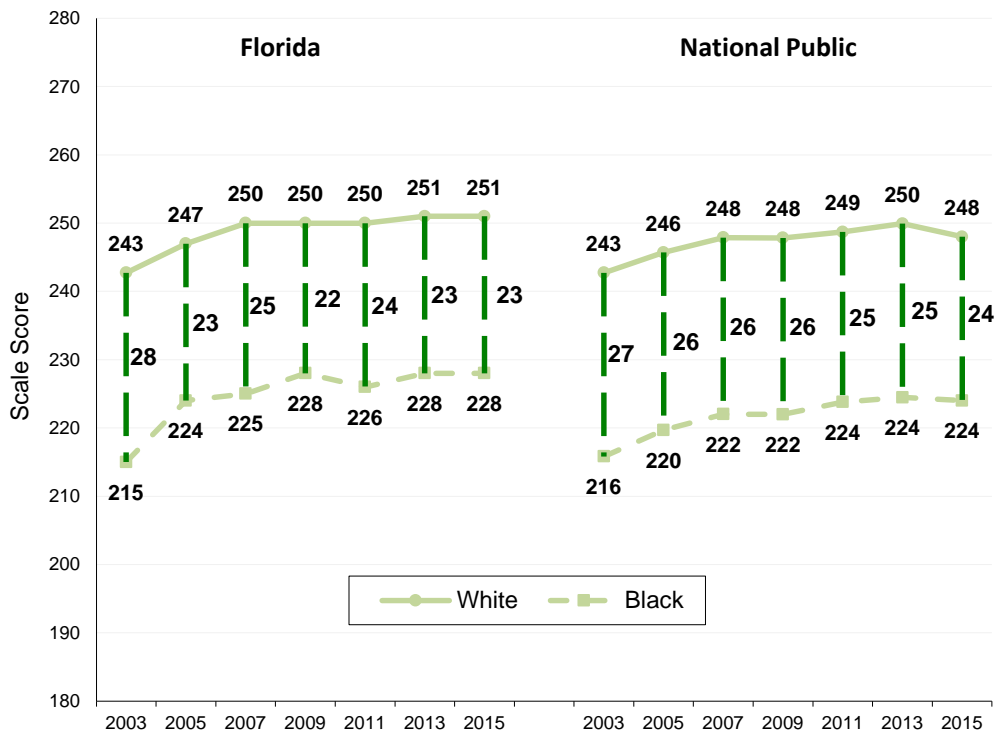
Scale scores range from 0 to 500 and serve as the basis for achievement levels.

NAEP Cut Scores: *Basic* 214 to 248; *Proficient* 249 to 281; *Advanced* 282 to 500; scores below 214 are classified as below *Basic*.



## White and Black Students

**NAEP Mathematics Grade 4 – White - Black**  
Average Scale Score and Gaps: 2003-2015



**Note:** Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors. The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

**Source:** U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress (NAEP), 2015 Mathematics Assessment.  
[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 4. Jurisdictions: National Public, Florida. Years: 2003-2015. Variables: Race/Ethnicity used to report trends, school-reported. Edit Reports: Statistics Options, Average Scale Scores.

## White/Black – Average Scale Scores Compared

Florida's (FL) average scale scores compared to the National Public's (NP) by Year

	2003	2005	2007	2009	2011	2013	2015
<b>White, FL vs. NP</b>	↔	↔	↑	↑	↔	↔	↑
<b>Black, FL vs. NP</b>	↔	↑	↑	↑	↔	↑	↑

## White/Black – Changes in Average Scale Scores, 2003–2015

Florida's and the National Public's changes over time; Florida's change compared to the Nation's

	White	Black
<b>Florida</b>	↑ 8	↑ 13
<b>National Public</b>	↑ 5	↑ 8
<b>FL Change Compared to NP Change</b>	↔ 3	↔ 5

## White/Black – Average Scale Score Gaps

Florida's gap compared to the Nation's gap by Year

	2003	2005	2007	2009	2011	2013	2015
<b>White/Black, FL vs. NP</b>	↔	↓	↔	↔	↔	↔ □	↔ □

## White/Black – Average Scale Score Gap Changes, 2003–2015

Florida's and the National Public's gap changes over time; Florida's gap change compared to the Nation's gap change over time

	White/Black	Change
<b>Florida</b>	↔ -5	28 → 23
<b>National Public</b>	↓ 3	27 → 24
<b>FL Gap Change Compared to NP Gap Change</b>	↔ 2	

- ↑ Significantly higher, larger, increased or wider
- ↔ No significant difference or change
- ↓ Significantly lower, smaller, decreased or narrower

# 2003–2015 NAEP Mathematics Race/Ethnicity Gaps, Grade 4

Race/Ethnicity: White, Black and Hispanic

At or above *Basic*, Florida (FL) vs. the National Public (NP)

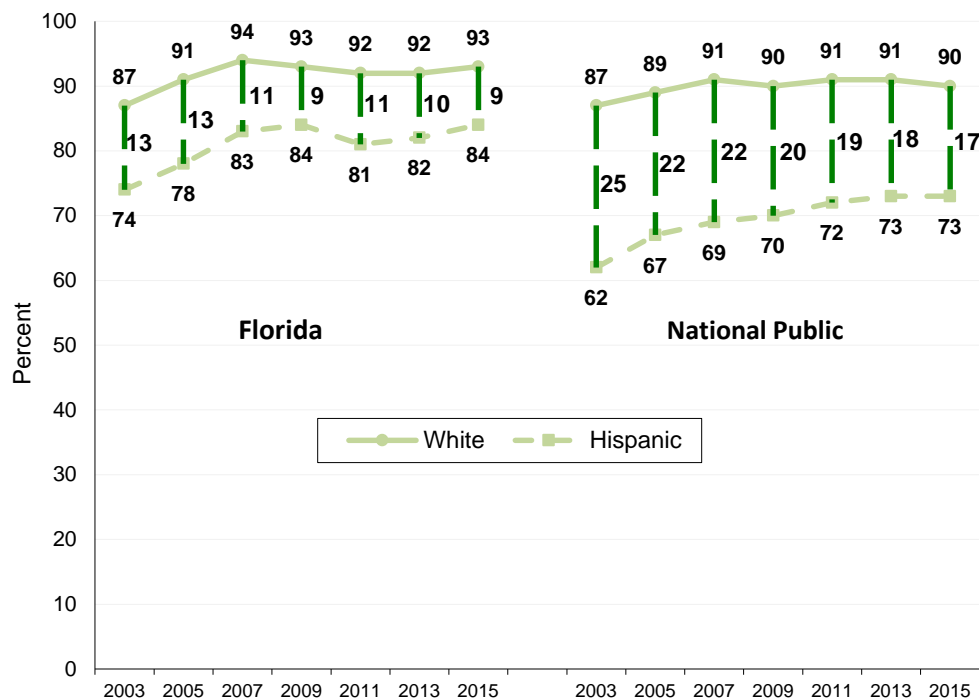
Scale scores range from 0 to 500 and serve as the basis for achievement levels.

NAEP Cut Scores: *Basic* 214 to 248; *Proficient* 249 to 281; *Advanced* 282 to 500; scores below 214 are classified as below *Basic*.



## White and Hispanic Students

**NAEP Mathematics Grade 4 – White - Hispanic**  
At or above *Basic* and Gaps: 2003-2015



**Notes:** Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors. The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

At or above *Basic*: Partial mastery of prerequisite knowledge and skills needed for proficient work.

**Source:** U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress, 2015 Mathematics Assessment.

[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 4. Jurisdictions: National Public, Florida. Years: 2003-2015.

Variables: Race/Ethnicity used to report trends, school-reported. Edit Reports: Statistics Options, Achievement Levels, Cumulative.

## White/Hispanic – Percent at or above *Basic* Compared

Florida's (FL) percentage at or above *Basic* compared to the National Public's (NP) by Year

	2003	2005	2007	2009	2011	2013	2015
<b>White, FL vs. NP</b>	↔	↔	↑	↑	↔	↔	↑
<b>Hispanic, FL vs. NP</b>	↑	↑	↑	↑	↑	↑	↑

## White/Hispanic – Changes in Percent at or above *Basic*, 2003–2015

Florida's and the National Public's changes over time; Florida's change compared to the Nation's

	White	Hispanic
<b>Florida</b>	↑ 6	↑ 9
<b>National Public</b>	↑ 3	↑ 11
<b>FL Change Compared to NP Change</b>	↔ 3	↔ 2

## White/Hispanic – Percent at or above *Basic* Gaps

Florida's gap compared to the Nation's gap by Year

	2003	2005	2007	2009	2011	2013	2015
<b>White/ Hispanic Gap, FL vs. NP</b>	↓	↓	↓	↓	↓	↓	↓

## White/Hispanic – Percent at or above *Basic* Gap Changes, 2003–2015

Florida's and the National Public's gap changes over time; Florida's gap change compared to the Nation's gap change over time

	White/Hispanic	Change
<b>Florida</b>	↔ -3	12 → 9
<b>National Public</b>	↓ 8	25 → 17
<b>FL Gap Change Compared to NP Gap Change</b>	↔ 5	

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- ↔ No significant difference or change
- ↓ Significantly lower, smaller, decreased or narrower

# 2003–2015 NAEP Mathematics Race/Ethnicity Gaps, Grade 4

Race/Ethnicity: White, Hispanic and Black

At or above *Basic*, Florida (FL) vs. the National Public (NP)

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

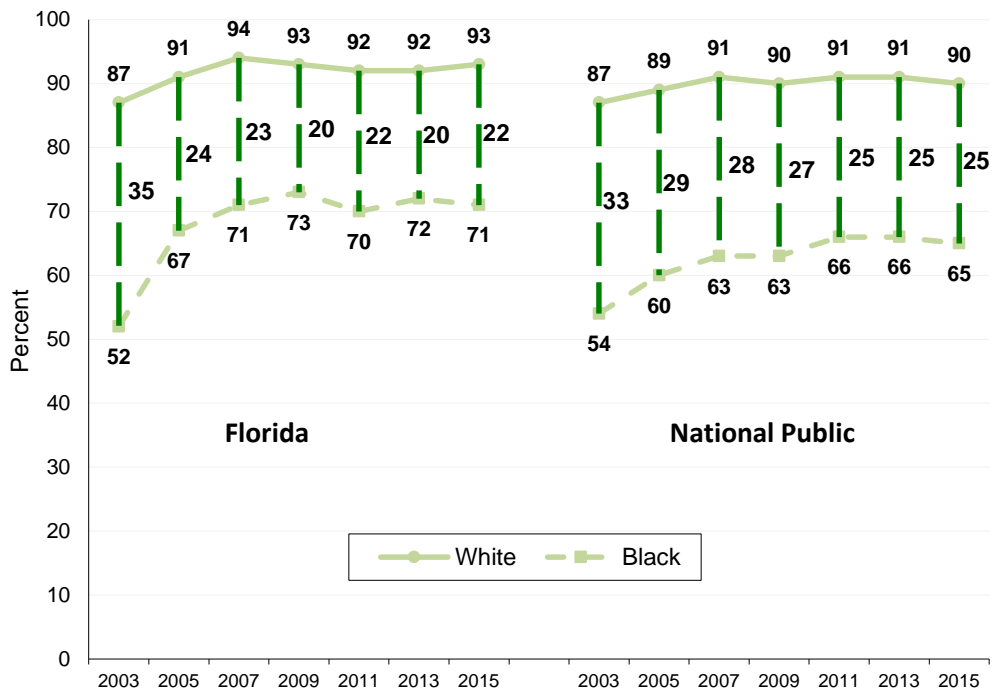
NAEP Cut Scores: *Basic* 214 to 248; *Proficient* 249 to 281; *Advanced* 282 to 500; scores below 214 are classified as below *Basic*.



## White and Black Students

**NAEP Mathematics Grade 4 – White - Black**

*At or above Basic and Gaps: 2003-2015*



**Notes:** Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors. The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant. At or above *Basic*: Partial mastery of prerequisite knowledge and skills needed for proficient work  
**Source:** U.S. Department of Education, Institute of Education Sciences, National Center of Education Statistics, National Assessment of Educational Progress, 2015 Mathematics Assessment.  
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## White/Black – Percent at or above *Basic* Compared

Florida’s (FL) percentage at or above *Basic* compared to the National Public’s (NP) by Year

	2003	2005	2007	2009	2011	2013	2015
<b>White, FL vs. NP</b>	↔	↔	↑	↑	↔	↔	↑
<b>Black, FL vs. NP</b>	↔	↑	↑	↑	↔	↑	↔

## White/Black – Changes in Percent at or above *Basic*, 2003–2015

Florida’s and the National Public’s changes over time; Florida’s change compared to the Nation’s

	White	Black
<b>Florida</b>	↑ 6	↑ 19
<b>National Public</b>	↑ 3	↑ 11
<b>FL Change Compared to NP Change</b>	↔ 3	↔ 8

## White/Black – Percent at or above *Basic* Gaps

Florida’s gap compared to the Nation’s gap by Year

	2003	2005	2007	2009	2011	2013	2015
<b>White/Black Gap, FL vs. NP</b>	↔	↓	↔	↓	↔	↔	↔

## White/Black – Percent at or above *Basic* Gap Changes, 2003–2015

Florida’s and the National Public’s gap changes over time; Florida’s gap change compared to the Nation’s gap change over time

	White/Black	Change
<b>Florida</b>	↓ 13	35 → 22
<b>National Public</b>	↓ 8	33 → 25
<b>FL Gap Change Compared to NP Gap Change</b>	↔ 4	

- ↑ Significantly higher, larger, increased or wider
- ↔ No significant difference or change
- ↓ Significantly lower, smaller, decreased or narrower

# 2003–2015 NAEP Mathematics Race/Ethnicity Gaps, Grade 4

Race/Ethnicity: White, Hispanic and Black

At or above *Proficient*, Florida (FL) vs. the National Public (NP)

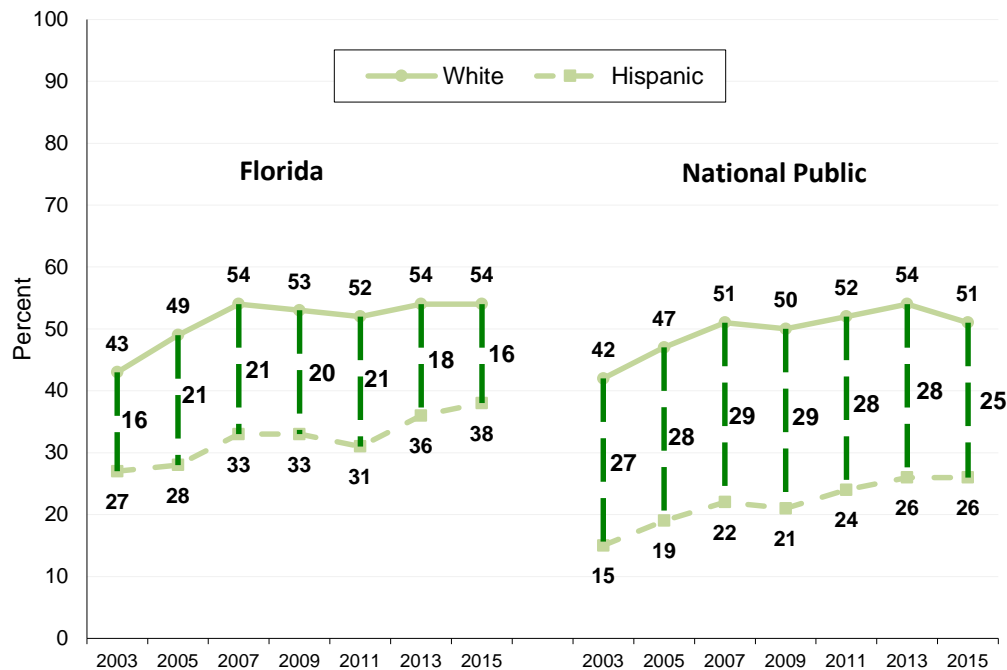
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## White and Hispanic Students

**NAEP Mathematics Grade 4 – White - Hispanic**  
At or above *Proficient* and Gaps: 2003-2015



**Notes:** Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors. The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.

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, 2015 Mathematics Assessment.

[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 4. Jurisdictions: National Public, Florida. Years: 2003-2015.

Variables: Race/Ethnicity used to report trends, school-reported. Edit Reports: Statistics Options, Achievement Levels, Cumulative.

## White/Hispanic – Percent at or above *Proficient* Compared

Florida's (FL) percentage at or above *Proficient* compared to the National Public's (NP) by Year

	2003	2005	2007	2009	2011	2013	2015
<b>White, FL vs. NP</b>	↔	↔	↔	↔	↔	↔	↔
<b>Hispanic, FL vs. NP</b>	↑	↑	↑	↑	↑	↑	↑

## White/Hispanic – Changes in Percent at or above *Proficient*, 2003–2015

Florida's and the National Public's changes over time; Florida's change compared to the Nation's

	White	Hispanic
<b>Florida</b>	↑ 11	↑ 11
<b>National Public</b>	↑ 9	↑ 11
<b>FL Change Compared to NP Change</b>	↔ 3	↔ 1

## White/Hispanic – Percent at or above *Proficient* Gaps

Florida's gap compared to the Nation's gap by Year

	2003	2005	2007	2009	2011	2013	2015
<b>White/Hispanic Gap, FL vs. NP</b>	↓	↓	↓	↓	↓	↓	↓

## White/Hispanic – Percent at or above *Proficient* Gap Changes, 2003–2015

Florida's and the National Public's gap changes over time; Florida's gap change compared to the Nation's gap change over time

	White/Hispanic	Change
<b>Florida</b>	↔ 0	16 → 16
<b>National Public</b>	↔ -2	27 → 25
<b>FL Gap Change Compared to NP Gap Change</b>	↔ 2	

- ↑ Significantly higher, larger, increased or wider
- ↔ No significant difference or change
- ↓ Significantly lower, smaller, decreased or narrower

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Race/Ethnicity: White, Hispanic and Black

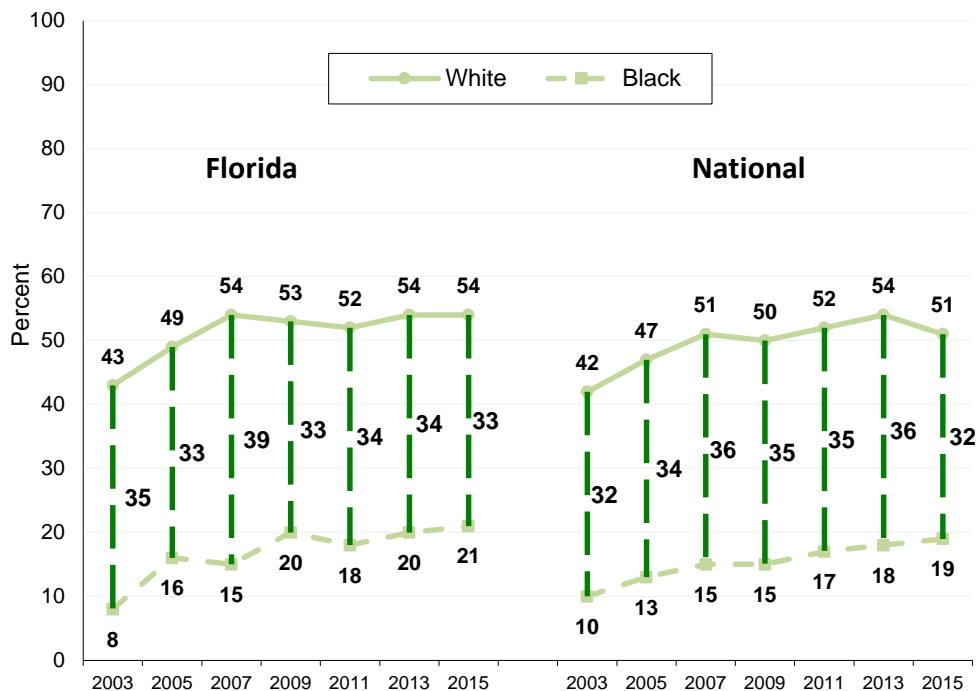
At or above *Proficient*, Florida (FL) vs. the National Public (NP)

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## White and Black Students

**NAEP Mathematics Grade 4 – White - Black**  
At or above *Proficient* and Gaps: 2003-2015



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Variables: Race/Ethnicity used to report trends, school-reported. Edit Reports: Statistics Options, Achievement Levels, Cumulative.

### White/Black – Percent at or above *Proficient* Compared

Florida’s (FL) percentage at or above *Proficient* compared to the National Public’s (NP) by Year

	2003	2005	2007	2009	2011	2013	2015
White, FL vs. NP	↔	↔	↔	↔	↔	↔	↔
Black, FL vs. NP	↔	↑	↔	↑	↔	↔	↔

### White/Black – Changes in Percent at or above *Proficient*, 2003–2015

Florida’s and the National Public’s changes over time; Florida’s change compared to the Nation’s

	White	Black
Florida	↑ 11	↑ 13
National Public	↑ 9	↑ 9
FL Change Compared to NP Change	↔ 3	↔ 4

### White/Black – Percent at or above *Proficient* Gaps

Florida’s gap compared to the Nation’s gap by Year

	2003	2005	2007	2009	2011	2013	2015
White/Black Gap, FL vs. NP	↔	↔	↔	↔	↔	↔	↔

### White/Black – Percent at or above *Basic* Gap Changes, 2003–2015

Florida’s and the National Public’s gap changes over time; Florida’s gap change compared to the Nation’s gap change over time

	White/Black	Change
Florida	↔ -1	34 → 33
National Public	↔ 0	32 → 32
FL Gap Change Compared to NP Gap Change	↔ 1	

- ↑ Significantly higher, larger, increased or wider
- ↔ No significant difference or change
- ↓ Significantly lower, smaller, decreased or narrower