

2003–2015 NAEP Mathematics Race/Ethnicity Gaps, Grade 8

Race/Ethnicity: White, Hispanic and Black

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

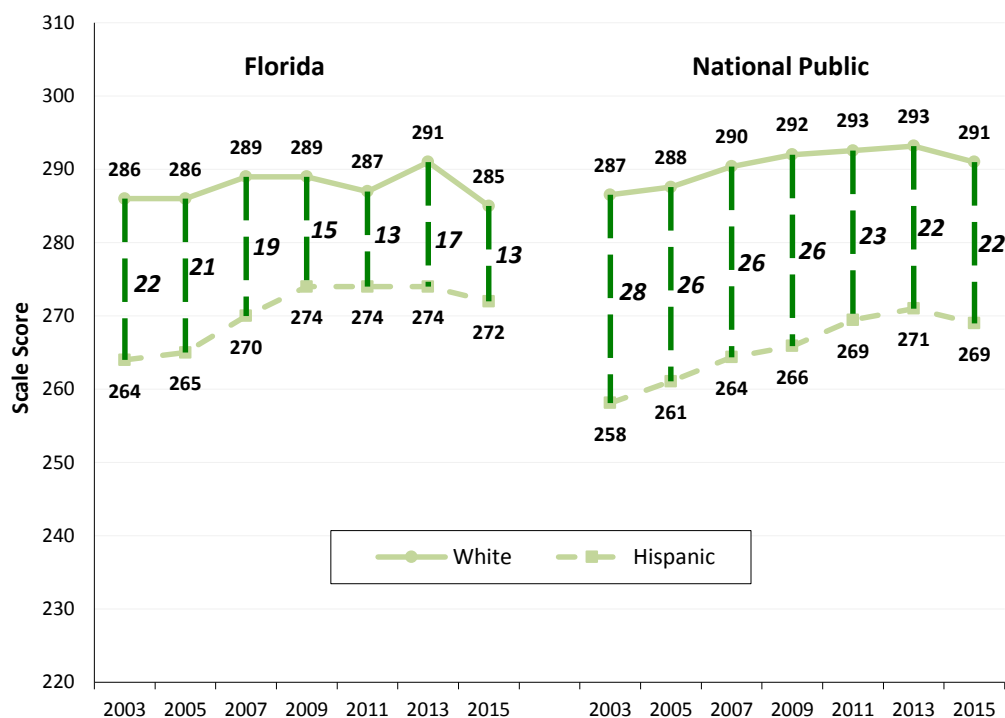
Scale scores range from 0 to 500 and serve as the basis for achievement levels.

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



White and Hispanic Students

NAEP Mathematics Grade 8 – 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 8. 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
White, FL vs. NP	↔	↔	↔	↓	↓	↔	↓
Hispanic – FL vs. NP	↑	↑	↑	↑	↑	↑	↔

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
Florida	↔ 0	↑ 8
National Public	↑ 5	↑ 11
FL Change Compared to NP Change	↓ 5	↔ 3

White/Hispanic – Average Scale Score Gaps

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

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

White/Hispanic – Average Scale Scores 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
Florida	↓ 8	22 → 13
National Public	↓ 7	28 → 22
FL Gap Change Compared to NP Gap Change	↔	

- ↑ 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 8

Race/Ethnicity: White, Black and Hispanic

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

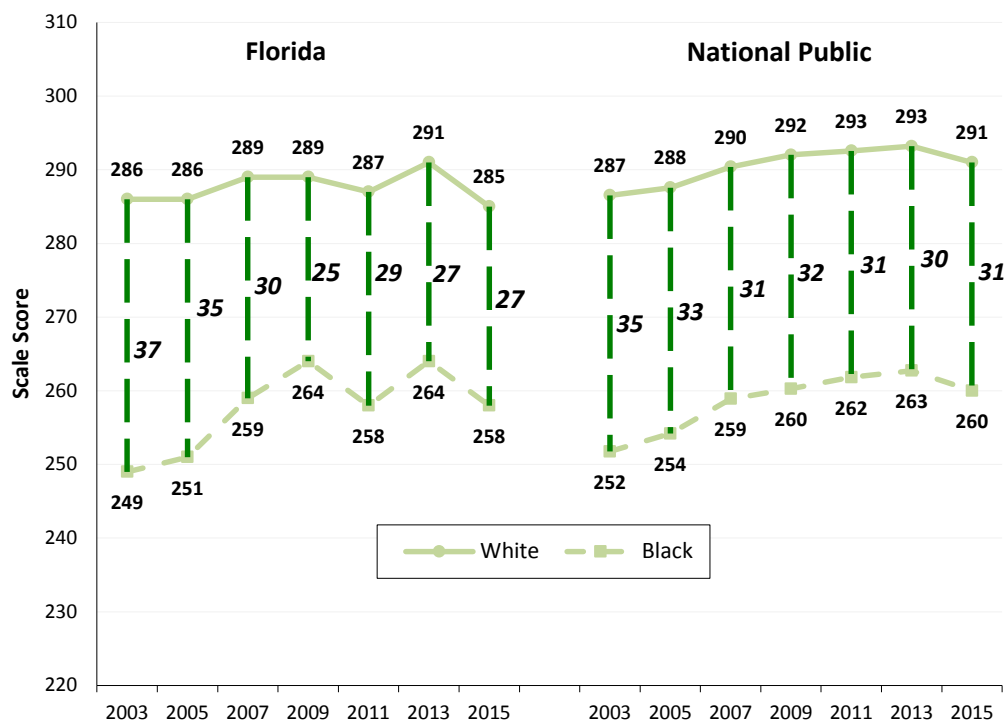
Scale scores range from 0 to 500 and serve as the basis for achievement levels.

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



White and Black Students

NAEP Mathematics Grade 8 – White - Black
Average Scale Score and Gaps: 2003-2015



Notes: Comparisons based on statistical tests (.05 level) using unrounded numbers that consider the magnitude of difference and standard errors. Score gaps are calculated based on differences between unrounded average scores. 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 8. 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
White, FL vs. NP	↔	↔	↔	↓	↓	↔	↓
Black, FL vs. NP	↔	↔	↔	↔	↓	↔	↔

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
Florida	↔ 0	↑ 10
National Public	↑ 5	↑ 8
FL Change Compared to NP Change	↓ 5	↔ 2

White/Black – Average Scale Score 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 – 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
Florida	↓ 10	37 → 27
National Public	↓ 4	35 → 31
FL Gap Change Compared to NP Gap Change	↔	

- ↑ 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 8

Race/Ethnicity: White, Black and Hispanic

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

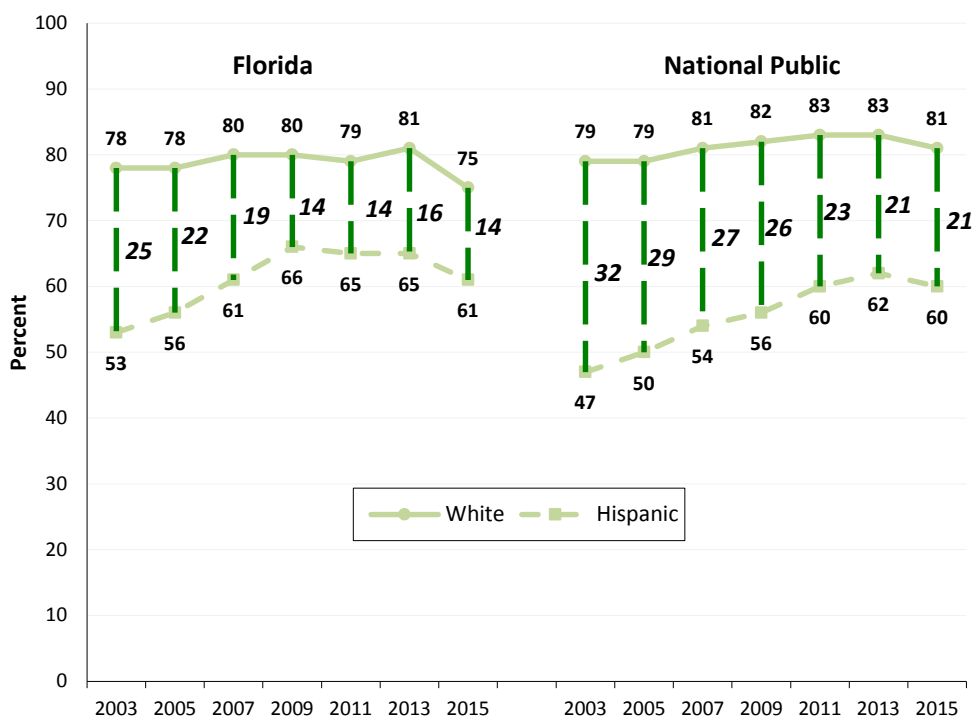
Scale scores range from 0 to 500 and serve as the basis for achievement levels.

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



White and Hispanic Students

NAEP Mathematics Grade 8 – White - Hispanic
At or Above Basic 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.

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 (NAEP), 2015 Mathematics Assessment.

[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 8. 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
White, FL vs. NP	↔	↔	↔	↔	↓	↔	↓
Hispanic, FL vs. NP	↑	↑	↑	↑	↑	↔	↔

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
Florida	↔ -3	↔ 8
National Public	↑ +2	↑ 13
FL Change Compared to NP Change	↔ 5	↔ 5

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
White/Hispanic Gap, FL vs. NP	↔	↓	↓	↓	↓	↓	↓

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
Florida	↓ 11	25 → 14
National Public	↓ 11	32 → 21
FL Gap Change Compared to NP Gap Change	↔	

- ↑ 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 8

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.

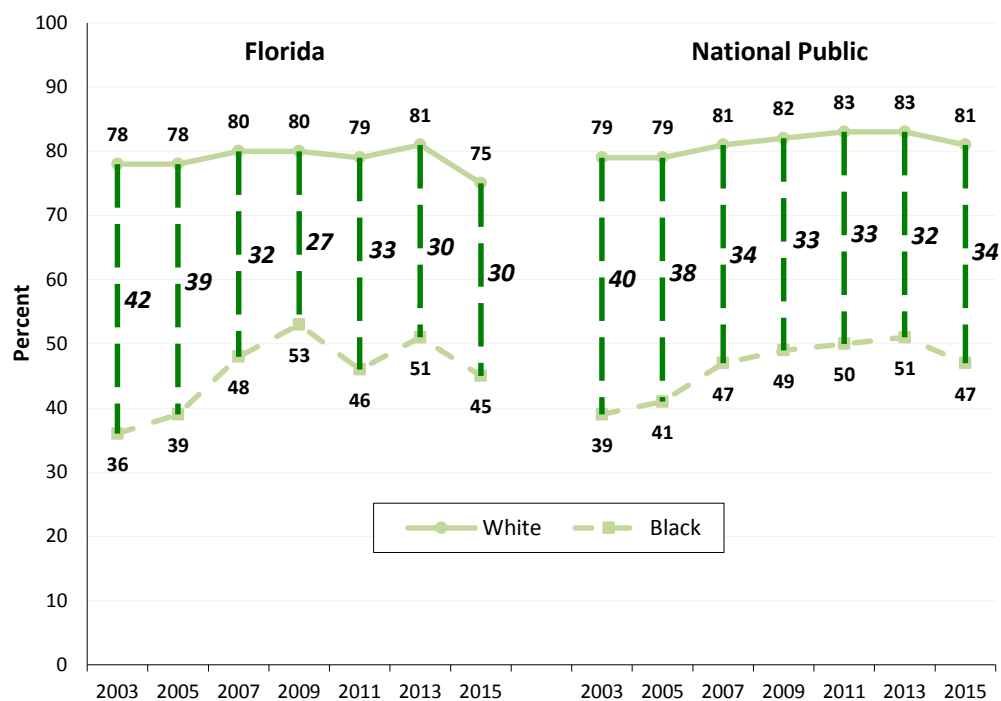
NAEP Cut Scores: *Basic* 262 to 298; *Proficient* 299 to 332; *Advanced* 333 to 500; scores below 262 are classified as below *Basic*.



White and Black Students

NAEP Mathematics Grade 8 – 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 (NAEP), 2015 Mathematics Assessment.

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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 *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
White, FL vs. NP	↔	↔	↔	↔	↓	↔	↓
Black, FL vs. NP	↔	↔	↔	↑	↓	↔	↔

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
Florida	↔ -3	↔ 9
National Public	↑ +2	↑ 9
FL Change Compared to NP Change	↔ 5	↔ 0

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
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	↓ 12	42 → 30
National Public	↓ 6	40 → 34
FL Gap Change Compared to NP Gap Change	↔	

- ↑ 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 8

Race/Ethnicity: White, Hispanic and Black

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

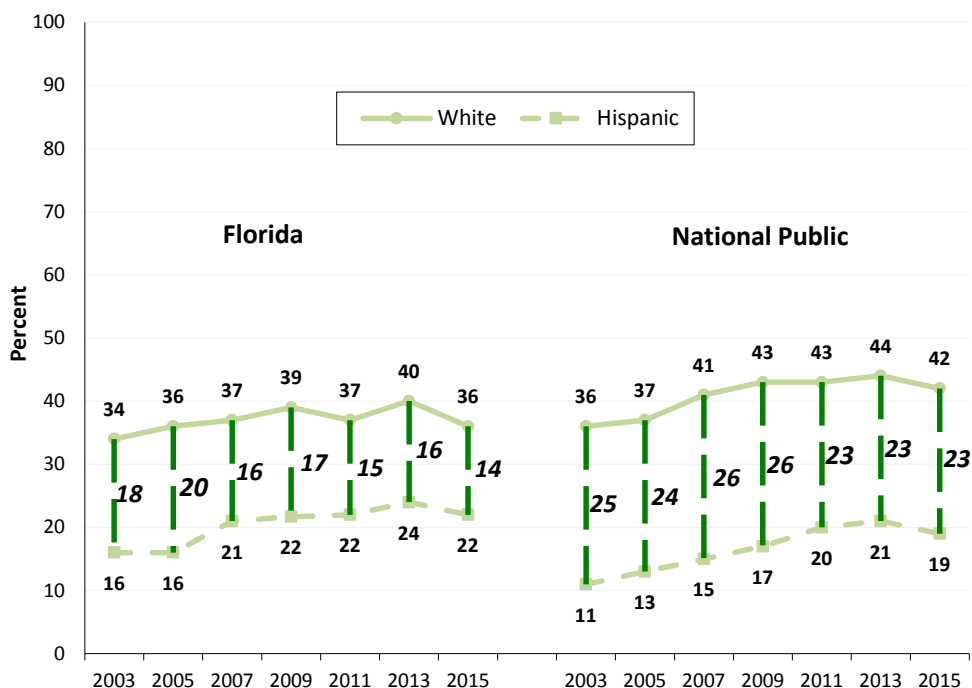
Scale scores range from 0 to 500 and serve as the basis for achievement levels.

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



White and Hispanic Students

NAEP Mathematics Grade 8 – 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 (NAEP), 2015 Mathematics Assessment.

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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
White, FL vs. NP	↔	↔	↔	↔	↓	↓	↓
Hispanic, FL vs. NP	↑	↔	↑	↑	↔	↑	↔

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
Florida	↔ 2	↔ 5
National Public	↑ 6	↑ 8
FL Change Compared to NP Change	↔ 4	↔ 2

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
White/Hispanic Gap, FL vs. NP	↓	↔	↓	↓	↓	↓	↓

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
Florida	↔ 3	18 → 14
National Public	↓ 2	25 → 23
FL Gap Change Compared to NP Gap Change	↔	

↑ 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 8

Race/Ethnicity: White, Hispanic and Black

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

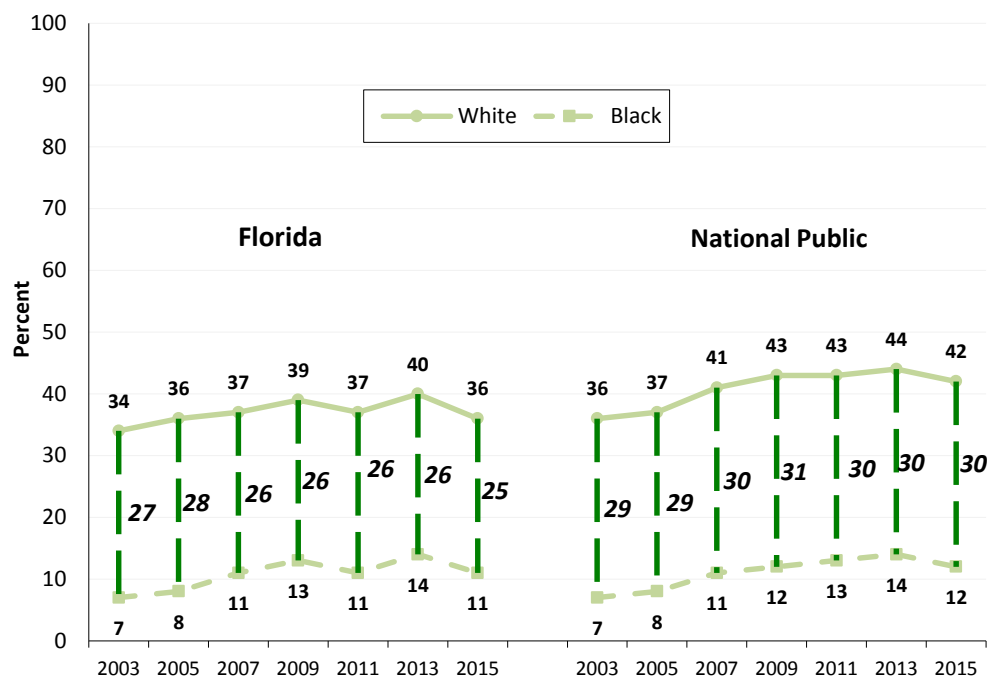
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White and Black Students

NAEP Mathematics Grade 8 – White - Black
At or Above *Proficient* and Gaps: 2003-2015



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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	↔ 2	↔ 4
National Public	↑ 6	↑ 5
FL Change Compared to NP Change	↔ 4	↔ 1

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	↔ 2	27 → 25
National Public	↔ 1	29 → 30
FL Gap Change Compared to NP Gap Change	↔	

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