

2003–2015 NAEP Mathematics, Grade 8

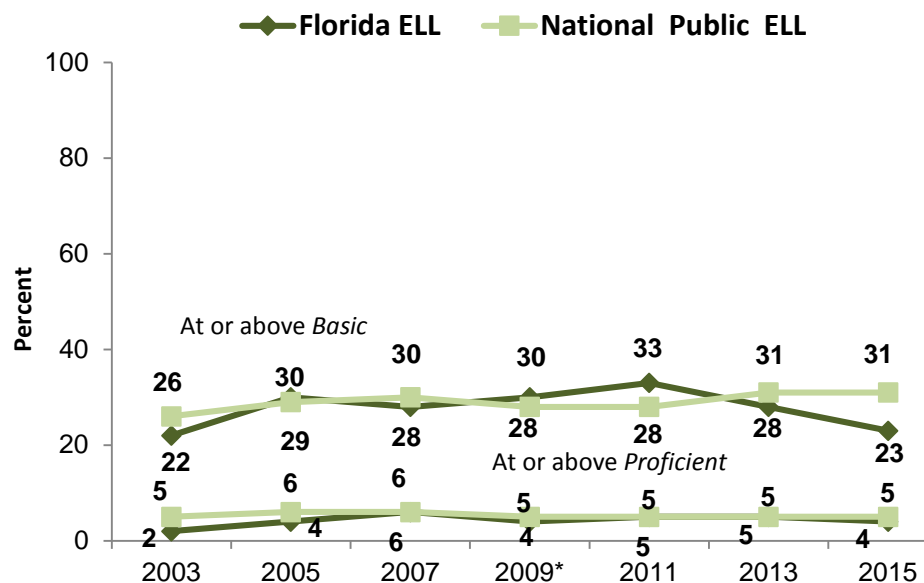
Florida (FL) vs. the National Public (NP)

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.

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 2015. There was not a similar gain in Florida’s percentage. For the Nation’s students scoring at or above *Proficient*, there was no significant change between 2003 and 2015. A significance test could not be performed for Florida’s ELLs scoring at or above *Proficient* because reporting standards were not met.
- The percentages of Florida’s and the Nation’s Grade 8 public school ELLs performing at or above *Basic* on NAEP Reading have not been significantly different since 2003. For at or above *Proficient*, Florida’s and the Nation’s percentages have not been significantly different since 2005.
- Between 2013 and 2015, the percentages of Florida’s and the Nation’s Grade 8 public school ELLs performing at or above *Basic* and at or above *Proficient* on NAEP Mathematics did not change significantly.
- Between 2003 and 2015, the changes in the percentages of Florida’s and the Nation’s Grade 8 public school ELLs performing at or above *Basic* and at or above *Proficient* on NAEP Mathematics were not significantly different.

Comparison of the average scale scores of FL’s and the NP’s ELLs performing at or above *Basic* and at or above *Proficient*.

	2003	2005	2007	2009	2011	2013	2015
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 Florida’s 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), 2015 Mathematics Assessment.

[NAEP Data Explorer](#) Search Criteria: Mathematics, Grade 8. Jurisdictions: National Public, Florida. Years: 2003-2015. Variables: Variables: Status as English Language Learner, 2 categories. Edit Reports: Statistics Options, Achievement Levels, Cumulative.