

MISSOURI ASSESSMENT PROGRAM 2014



August 2014

Missouri Department of Elementary
and Secondary Education

Grade-Level Assessments

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- 3-8 Communication Arts and Mathematics
 - Augmented NRT (*TerraNova*)
 - Paper/Pencil
 - Achievement Levels consistent since 2006
- 5 & 8 Science
 - Augmented NRT (*TerraNova*)
 - Paper/Pencil
 - Achievement Levels consistent since 2008



Grade-Level Alternate Assessments

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- 3-8, 10 (MA), 11(CA) Communication Arts and Mathematics
 - Status collection of evidence
 - Achievement Levels consistent since 2006
 - Developed by Measured Progress
 - Implemented by ARC
- 5, 8 & 11 Science
 - Status collection of evidence
 - Achievement Levels consistent since 2010
 - Developed by Measured Progress
 - Implemented by ARC



End-of-Course (EOC) Assessments

4

- Algebra I, Geometry, Algebra II, English I, English II, Biology, American History, Government
 - Custom development by Riverside
 - Modified Angoff achievement level setting
 - Achievement Levels consistent since 2009
 - Implemented by Questar



Test Quality

5

Cut Scores

The MAP scale score cuts used for the Achievement Level data for the grade-level assessments have not changed for English language arts and mathematics since 2006.

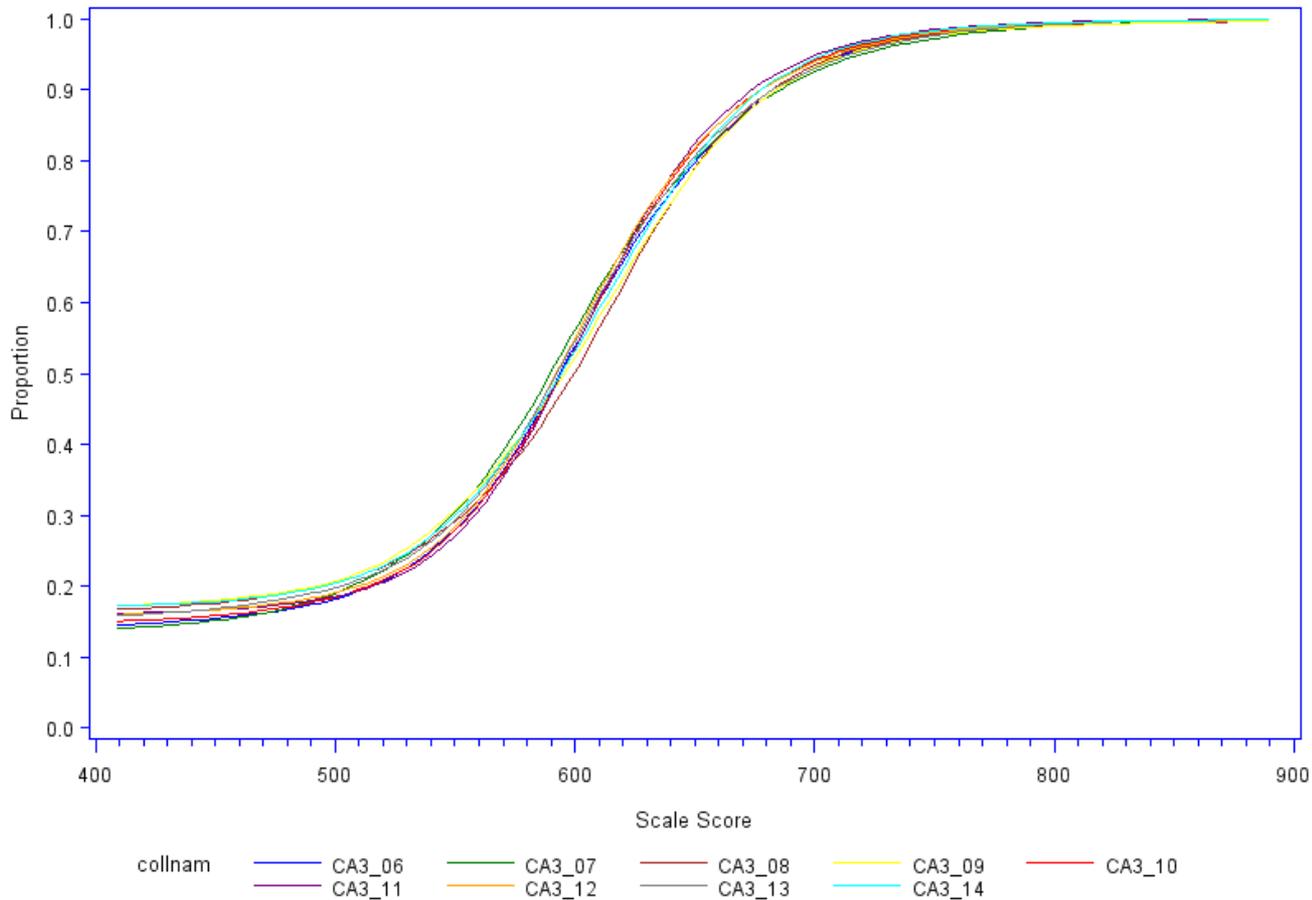
- The testing population is comparable to previous years.
- The test construct being measured is comparable to previous years.
- Overall test reliability is comparable to previous years.
- The 2014 Test Characteristic Curves (TCC) show that the tests are of the same level of difficulty of previous forms.
- The calibration and equating output is within industry standards.



Test Characteristic Curves (TCC) for English language arts

6

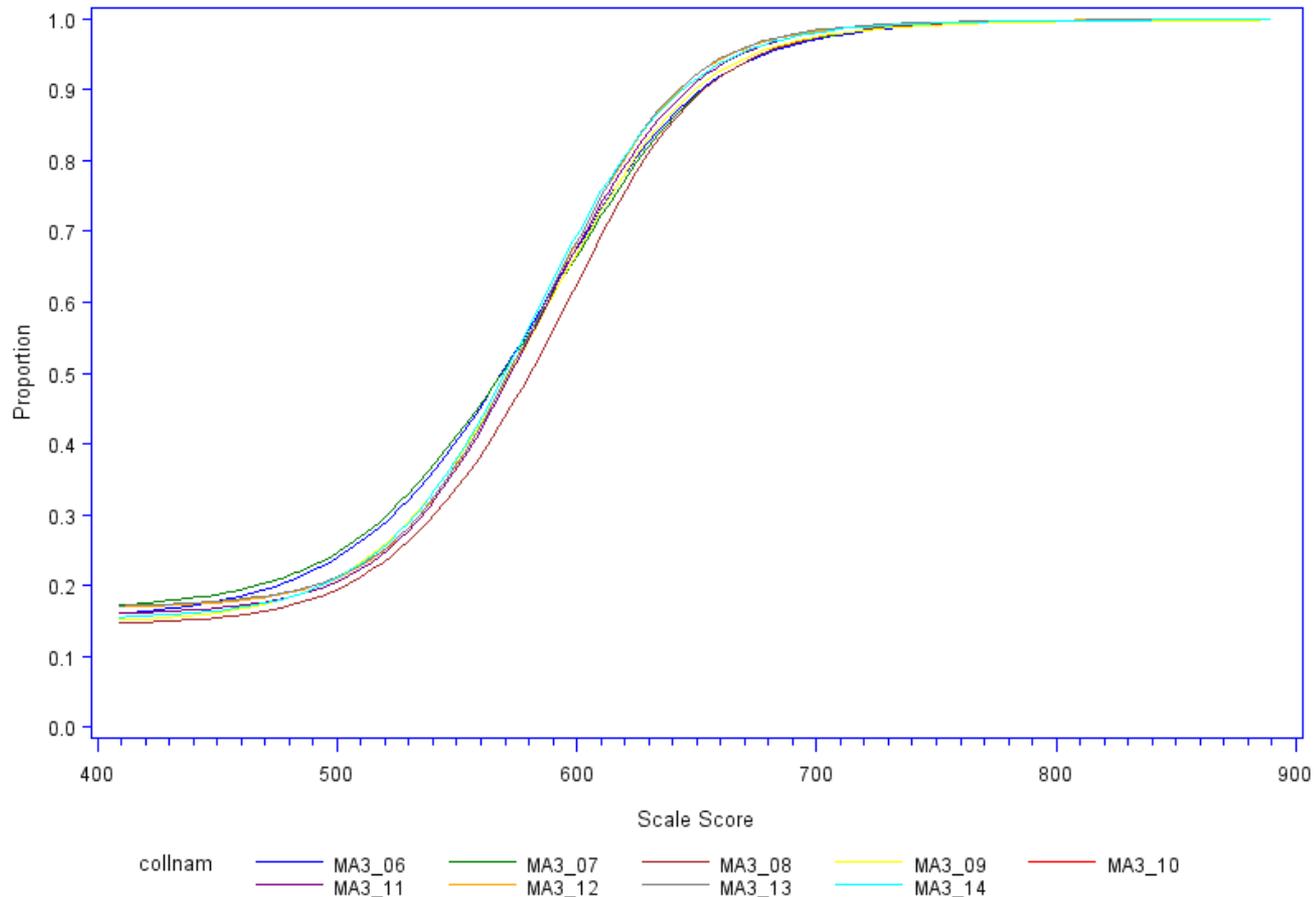
MAP TCC Plots From Overall LOSS to Overall Hoss: CA Grade 3



Test Characteristic Curves (TCC) for mathematics

7

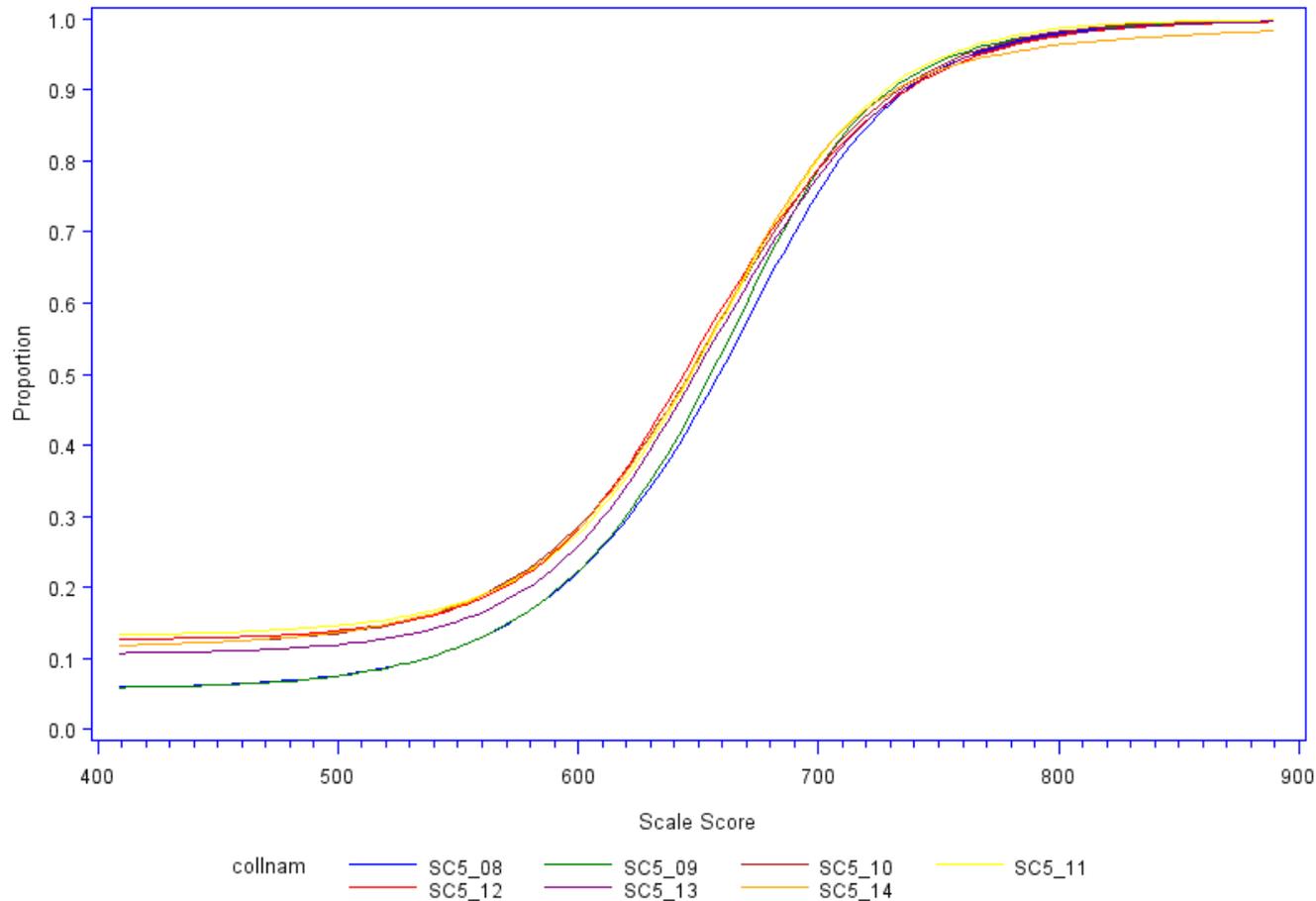
MAP TCC Plots From Overall LOSS to Overall Hoss: MA Grade 3



Test Characteristic Curves (TCC) for science

8

MAP TCC Plots From Overall LOSS to Overall Hoss: SC Grade 5



If not test quality or cut scores, then what?

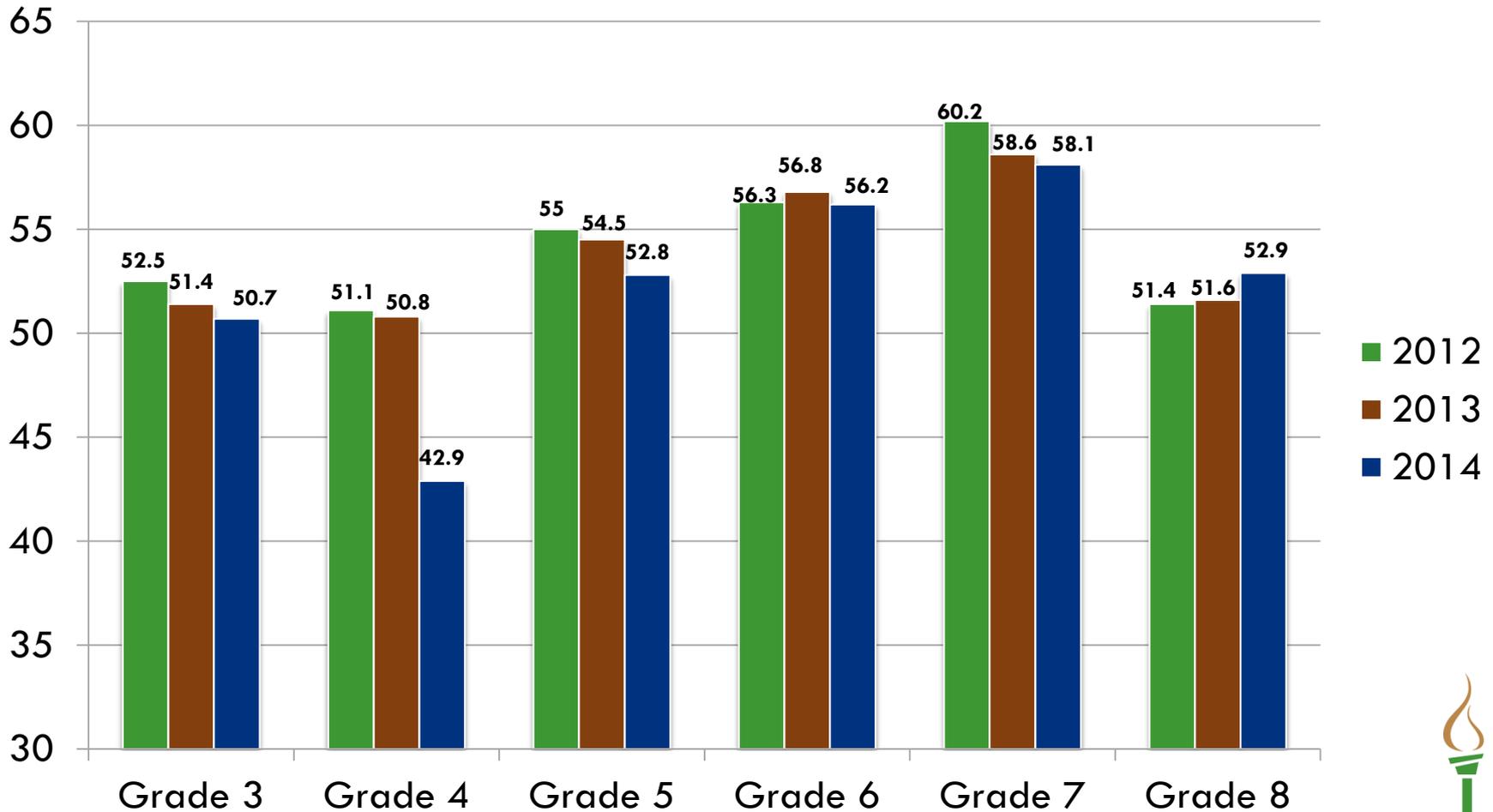
There appears to be a host of reasons working together that contribute to the decline in test scores. Some of these circumstances look different across the state and from district to district.

- ❑ Renewed test forms after using the same test form for multiple years.
- ❑ Loss of instructional time and disruptions to the instructional process due to extreme weather.
- ❑ Public unrest regarding the Missouri Learning Standards (Common Core State Standards) created a high degree of uncertainty among teachers and administrators.
- ❑ Transition year for many schools in terms of teaching the Missouri Learning Standards versus the earlier Grade Level Expectations.

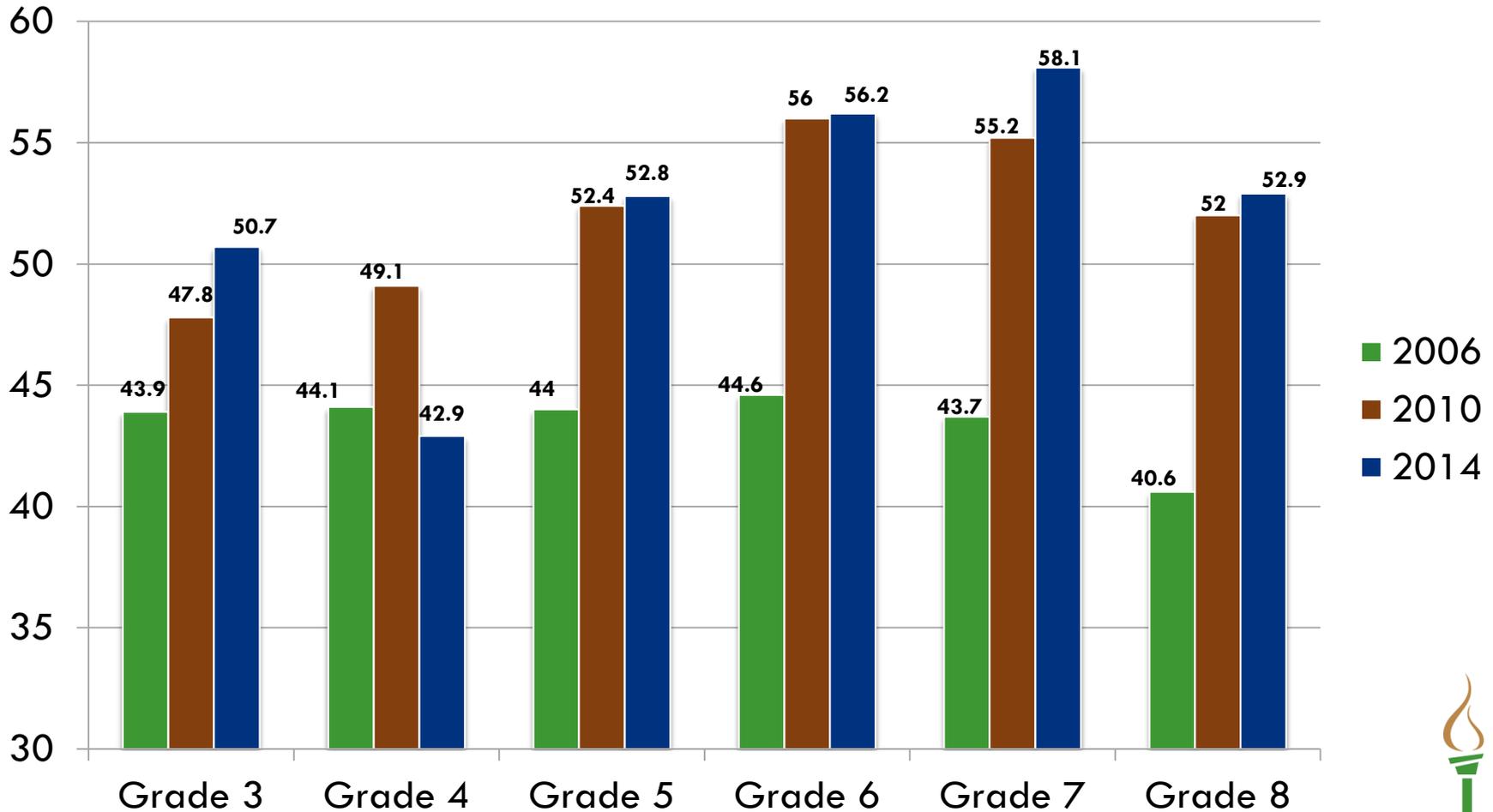


Proficient/Advanced Students Mathematics

10

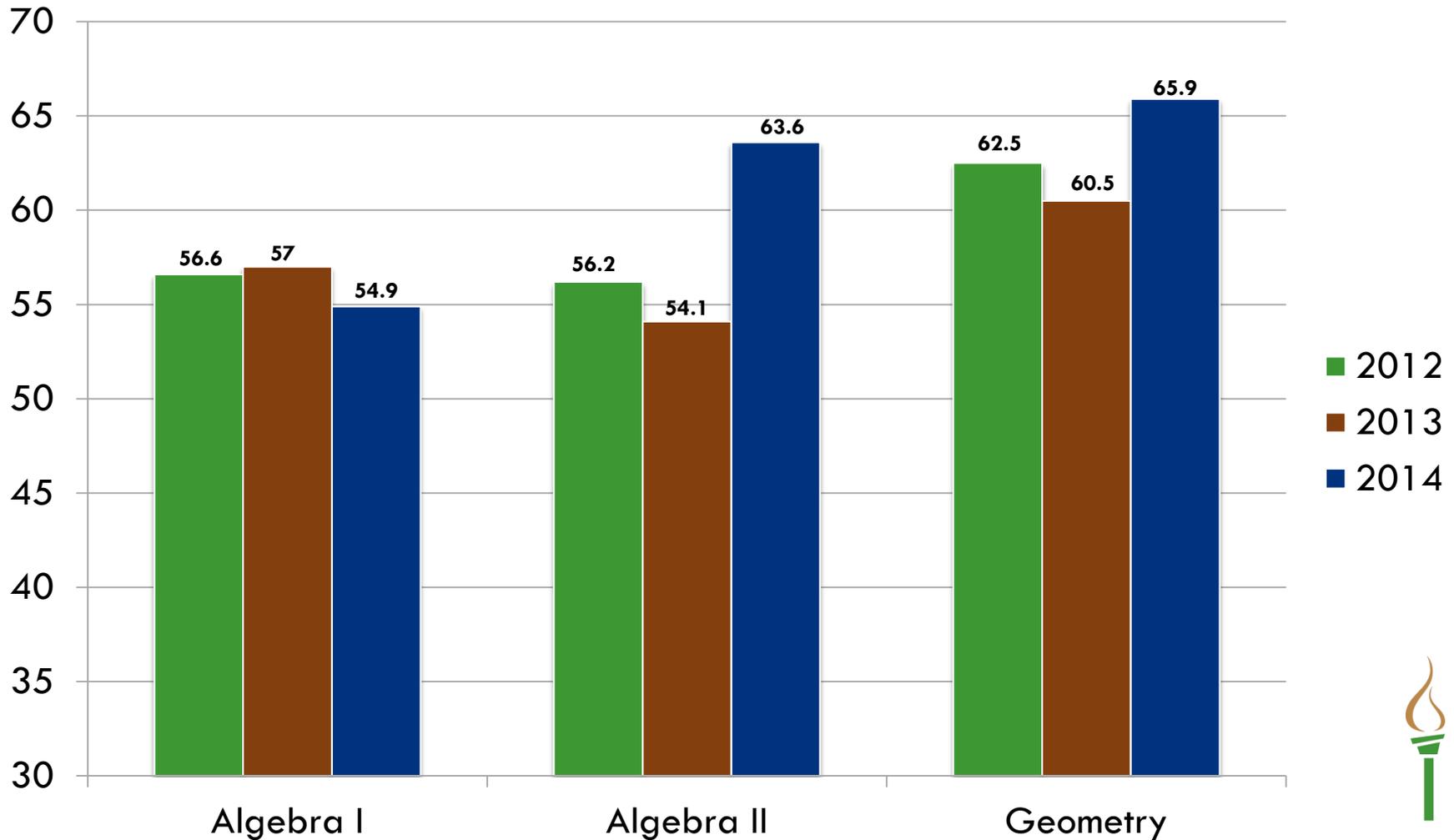


Proficient/Advanced Students Mathematics 2006-2014



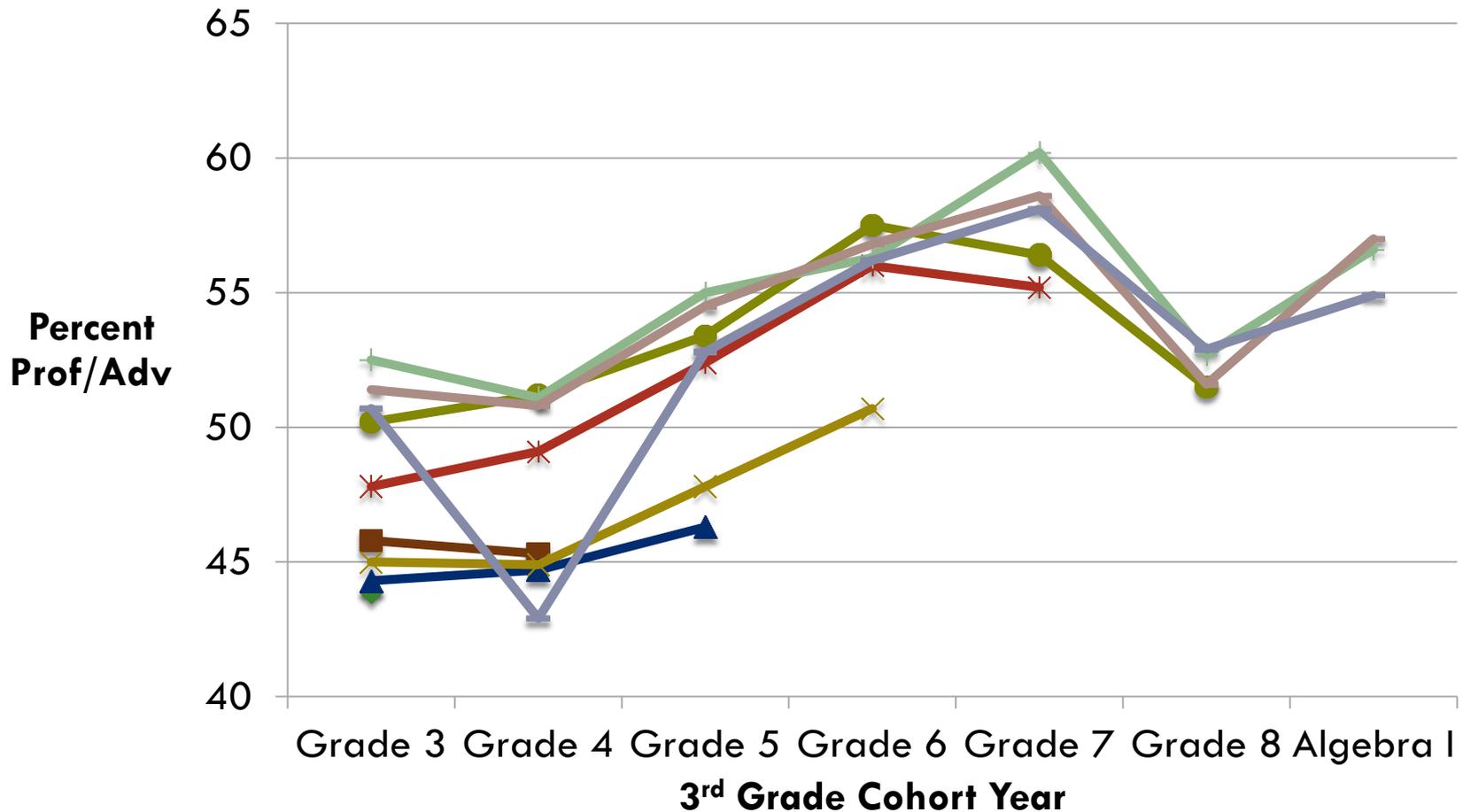
Proficient/Advanced Students End-Of-Course Mathematics

12



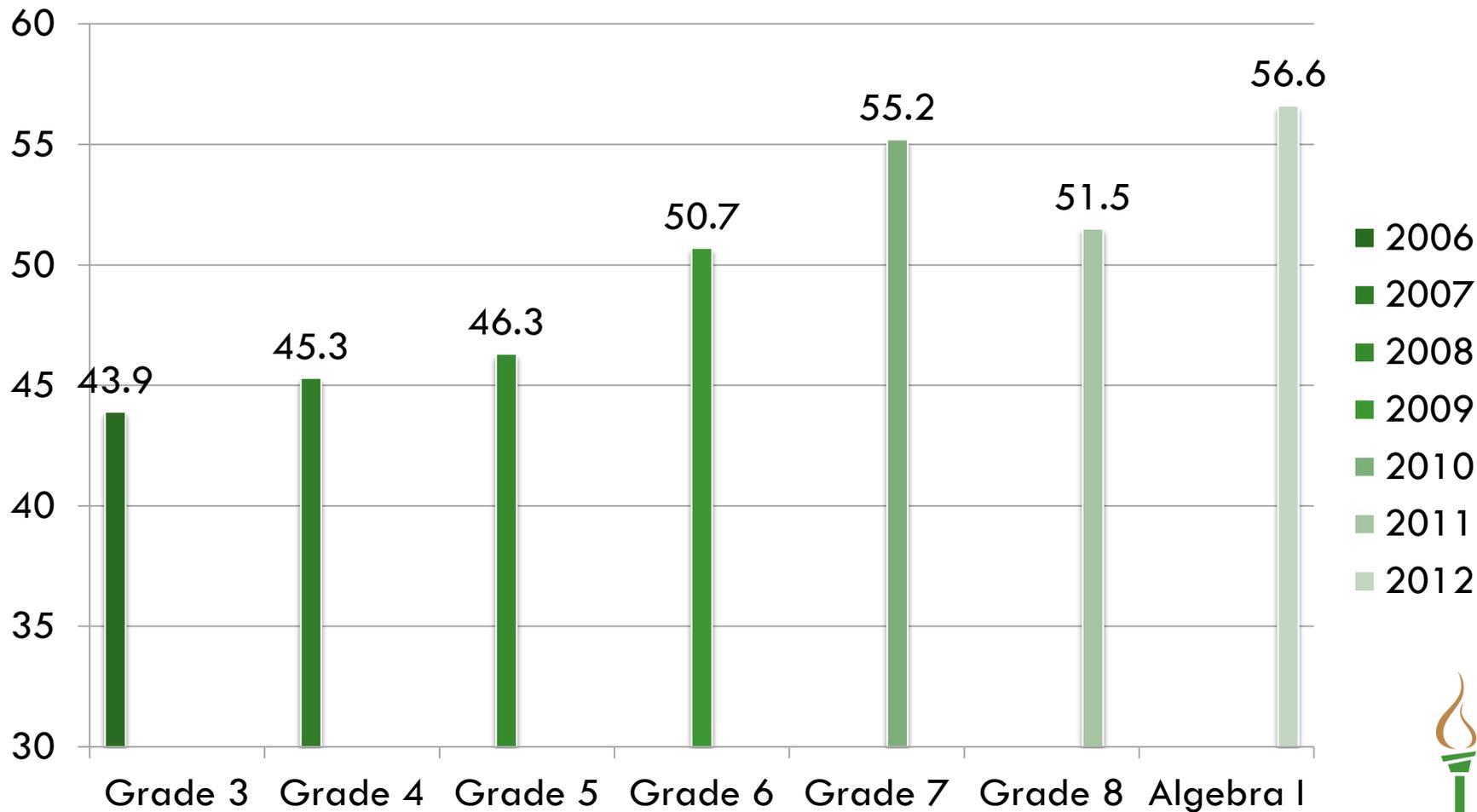
Proficient/Advanced Students Mathematics 2006-2014 Grade 3 Cohorts 3rd Grade Mathematics through Algebra I

13



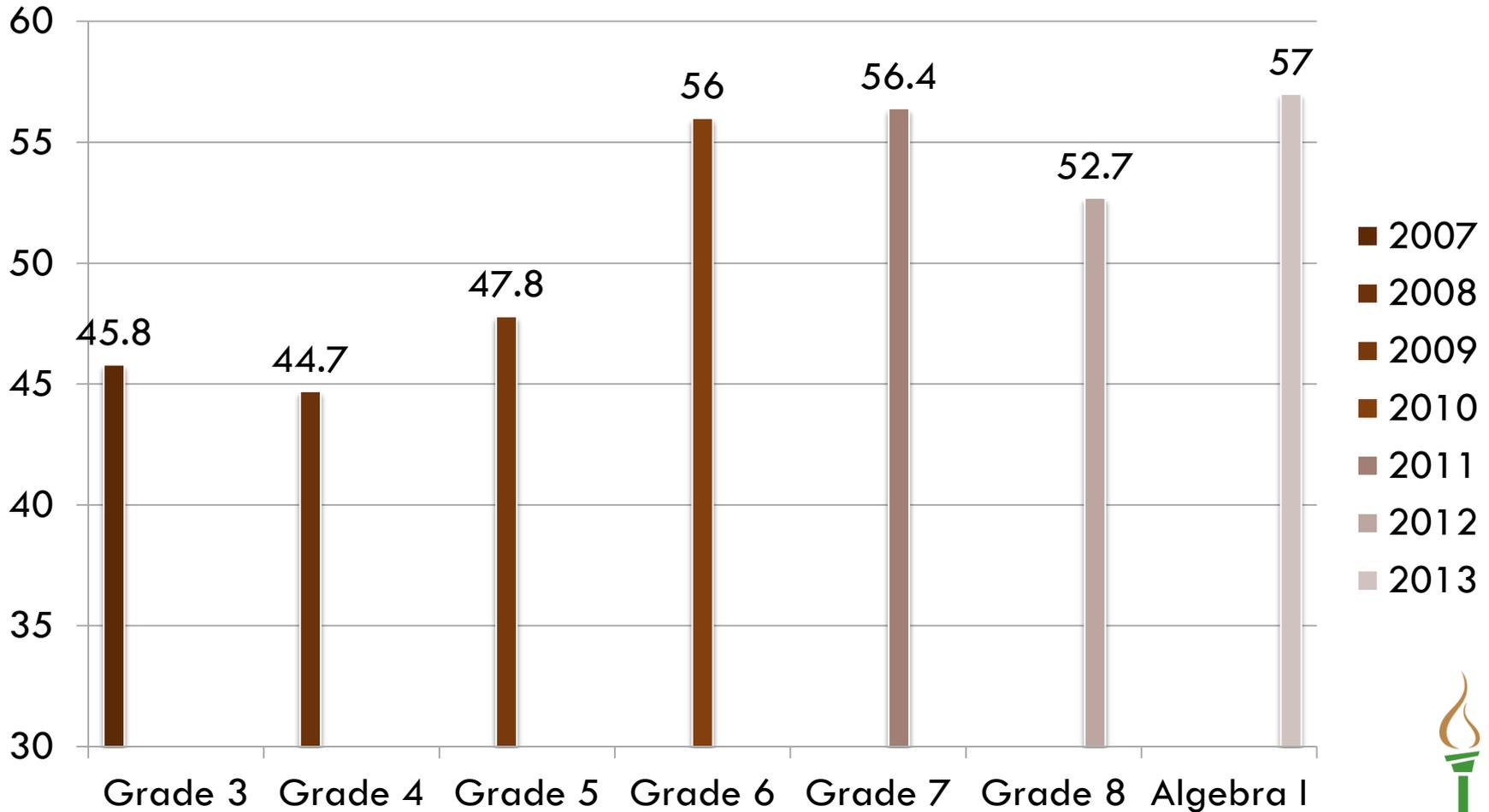
Proficient/Advanced Students Mathematics 2006 Grade 3 Cohort

14



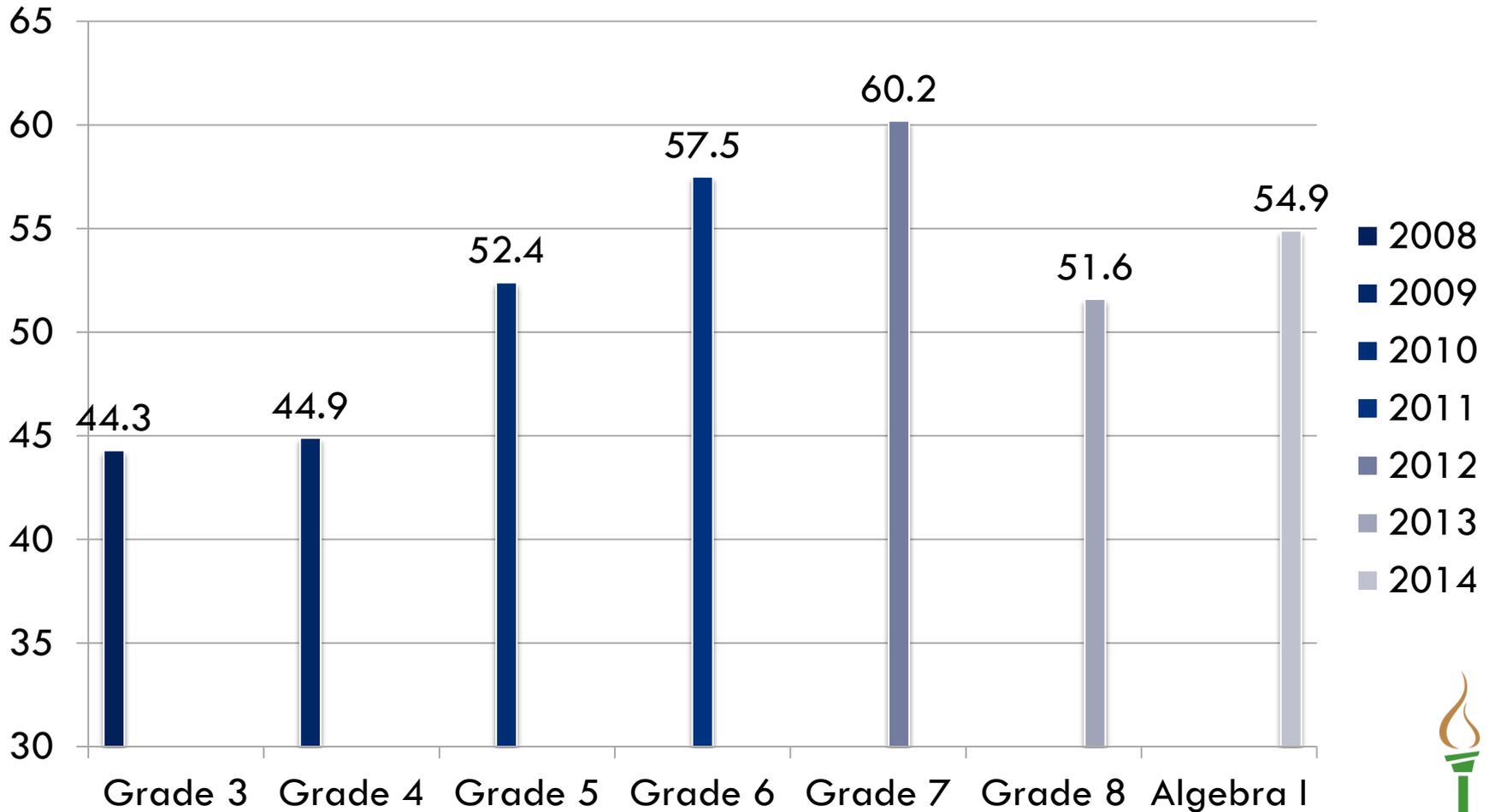
Proficient/Advanced Students Mathematics 2007 Grade 3 Cohort

15



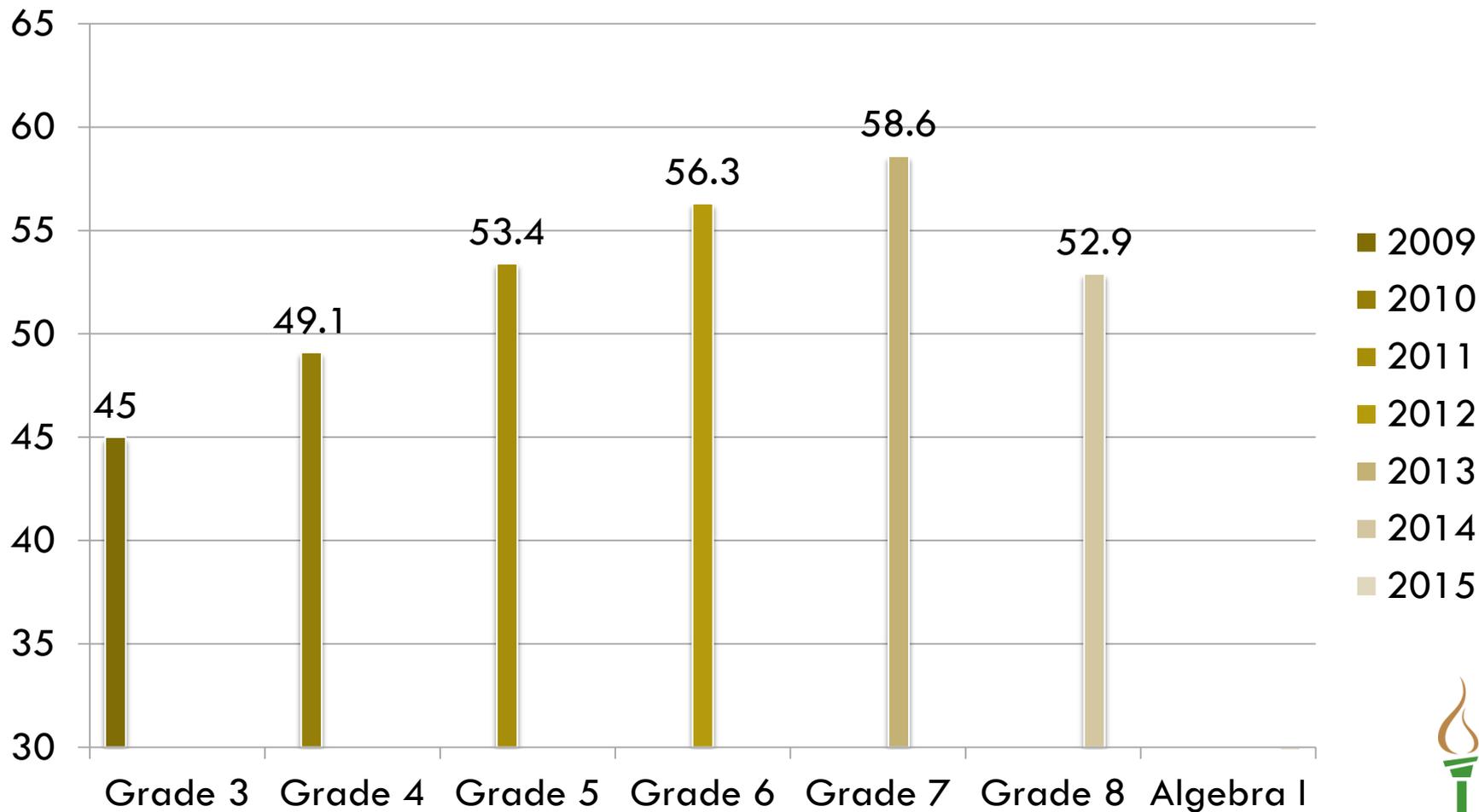
Proficient/Advanced Students Mathematics 2008 Grade 3 Cohort

16



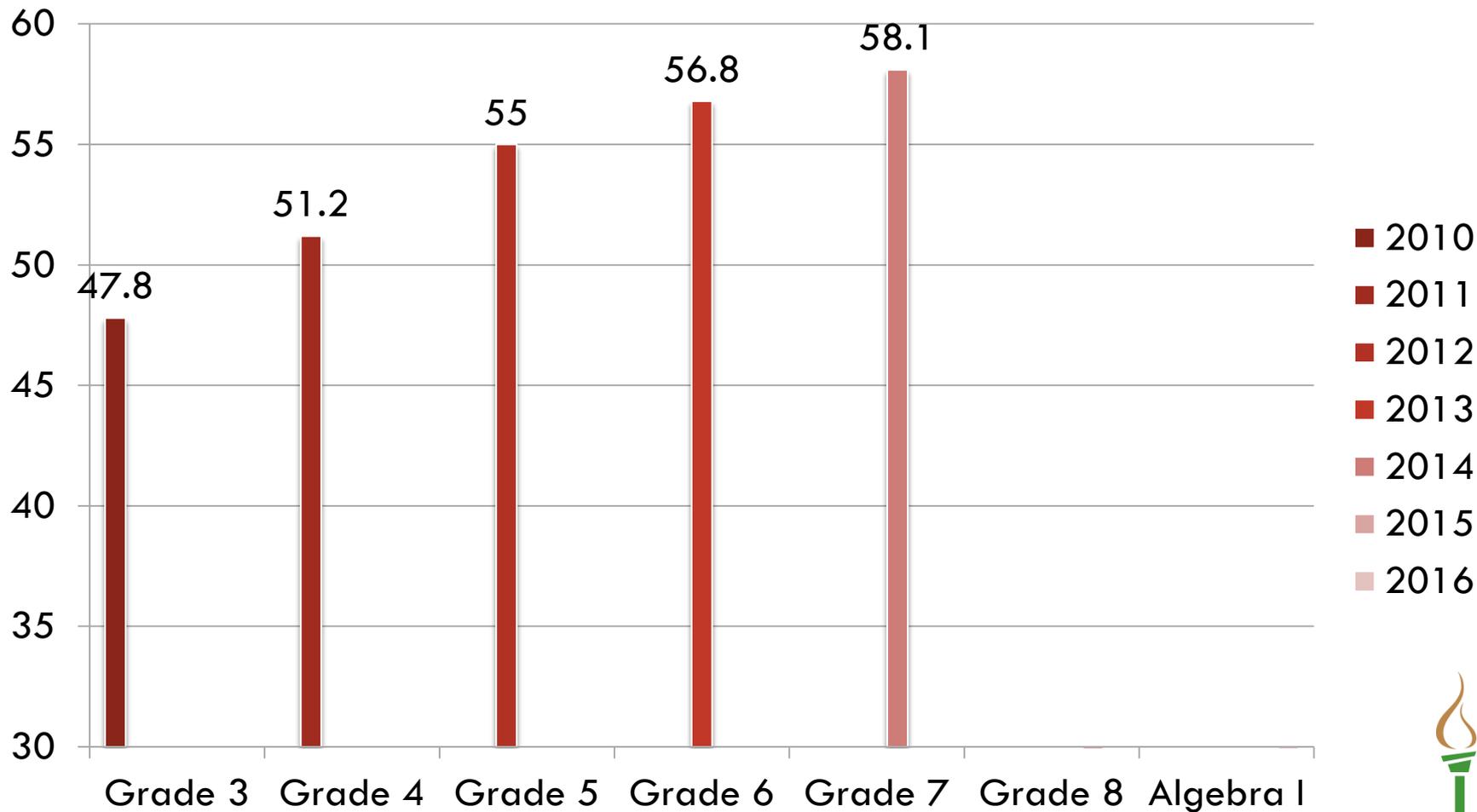
Proficient/Advanced Students Mathematics 2009 Grade 3 Cohort

17

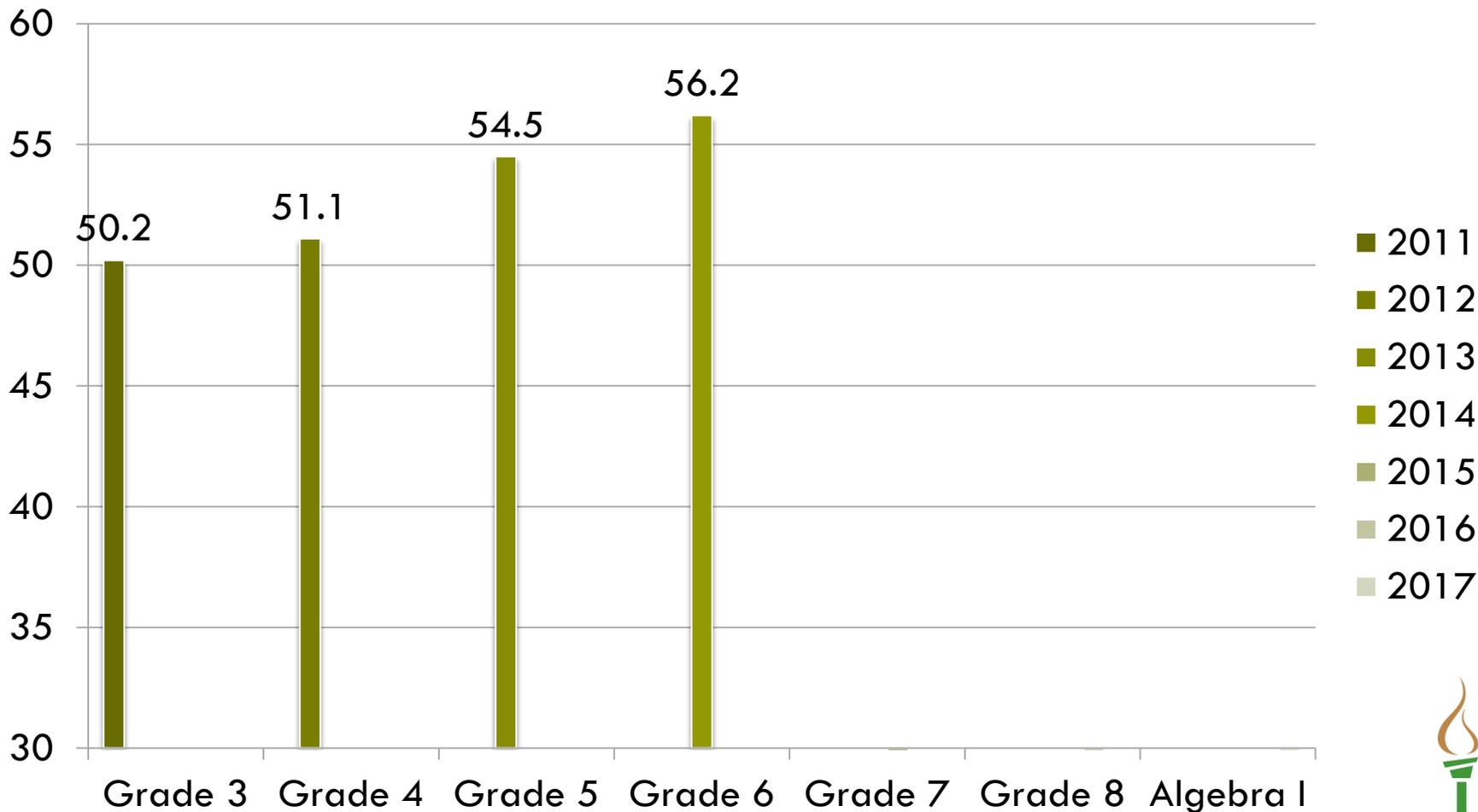


Proficient/Advanced Students Mathematics 2010 Grade 3 Cohort

18

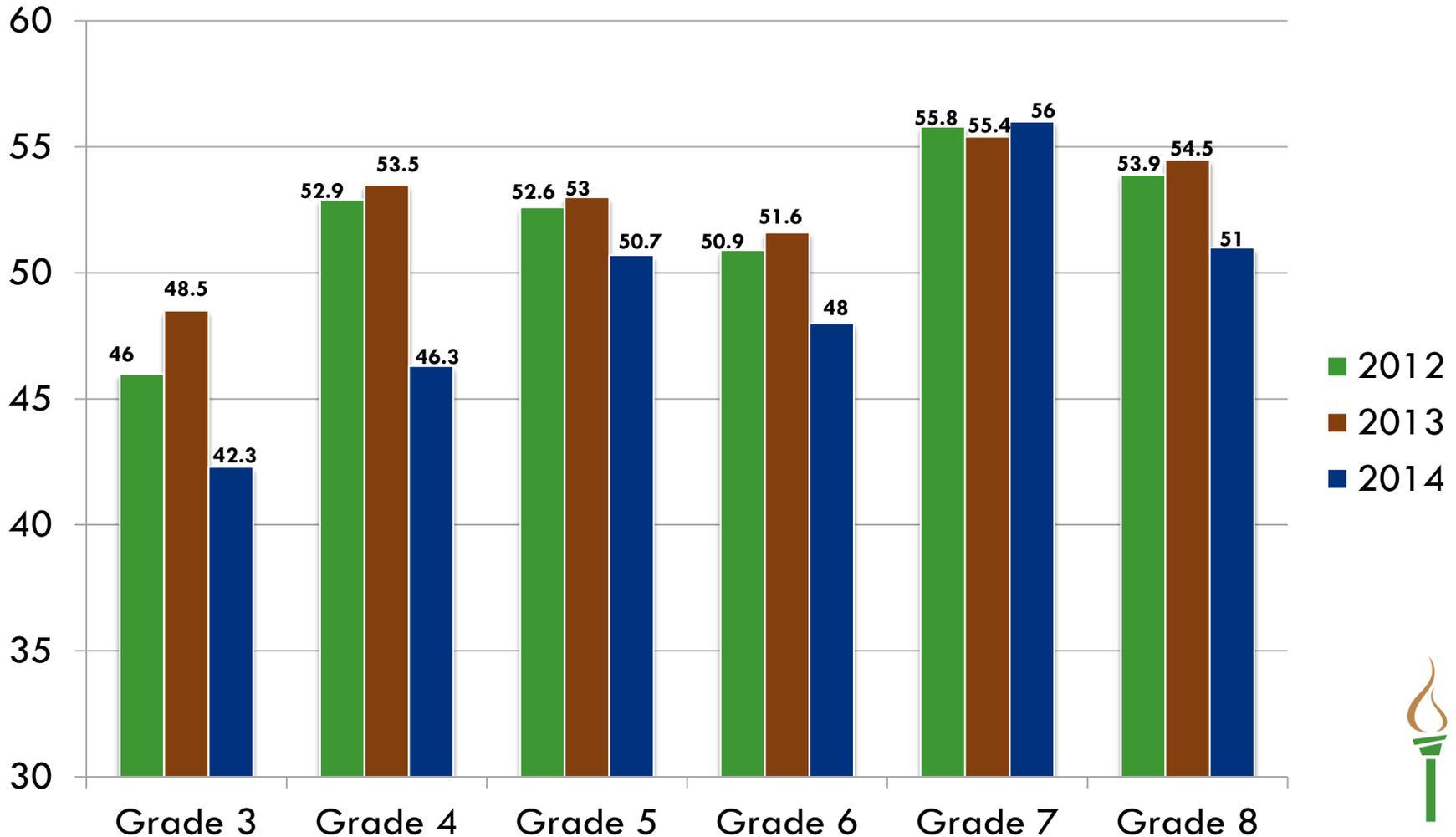


Proficient/Advanced Students Mathematics 2011 Grade 3 Cohort

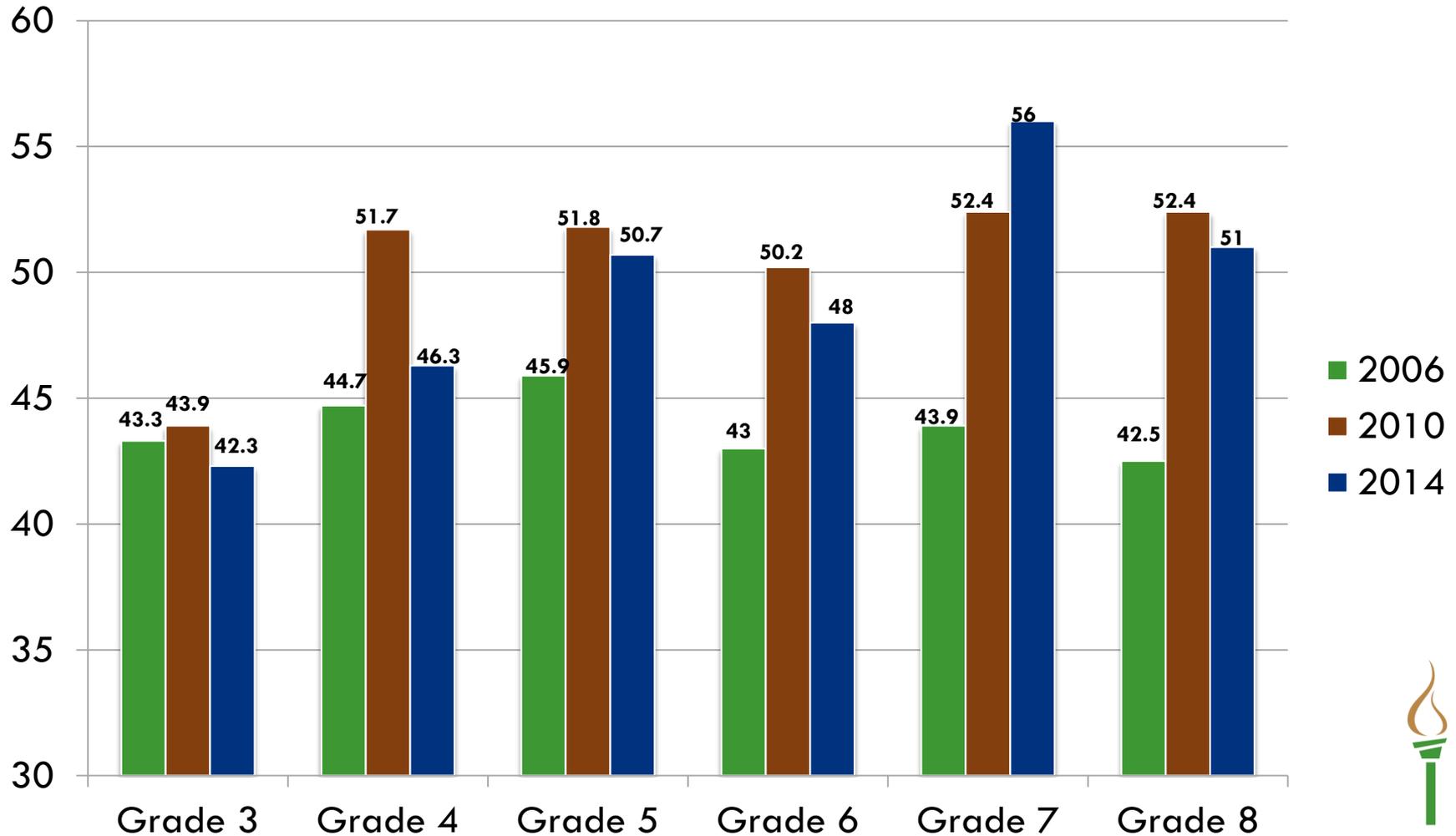


Proficient/Advanced Students Communication Arts

20

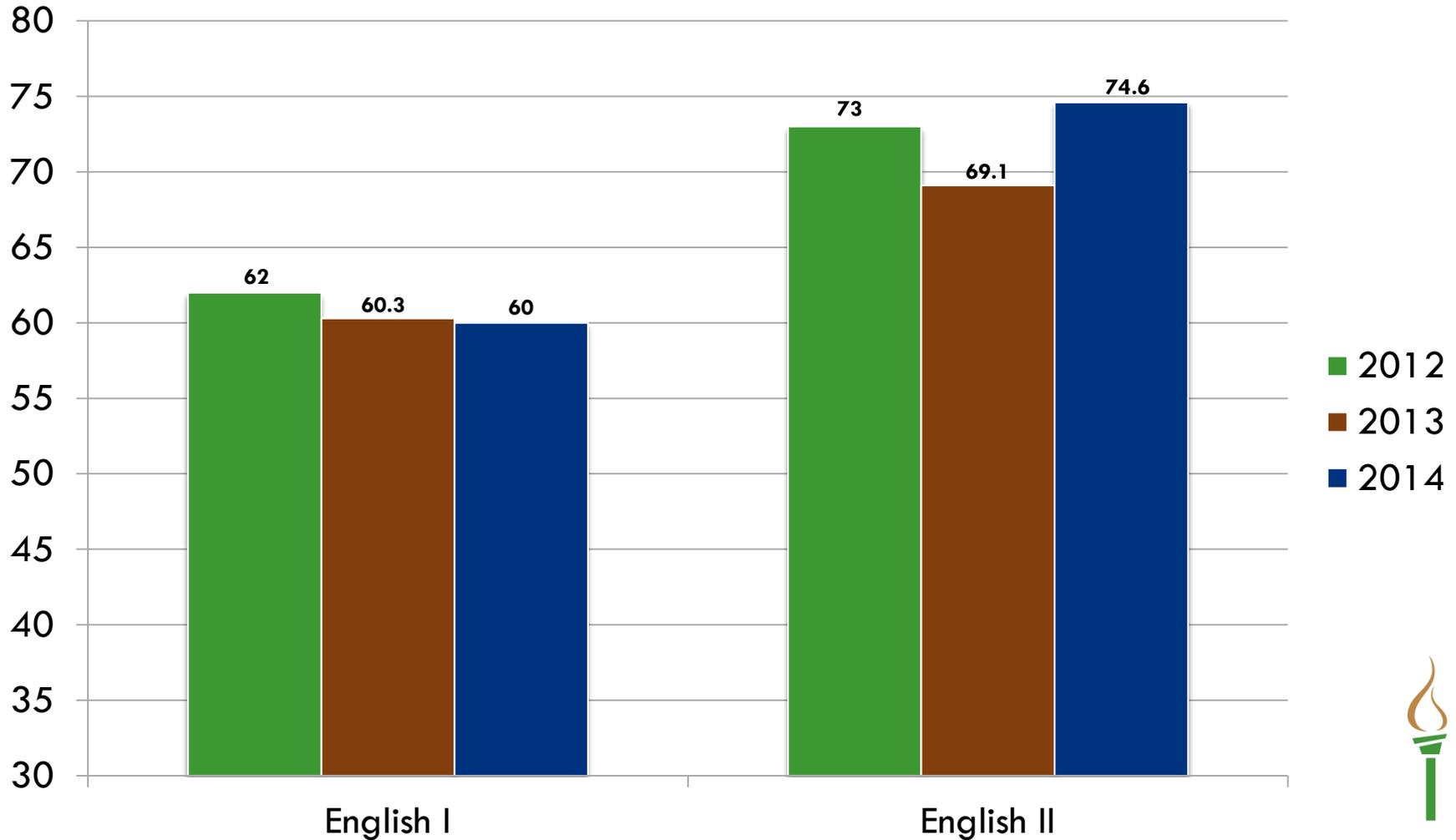


Proficient/Advanced Students Communication Arts 2006-2014



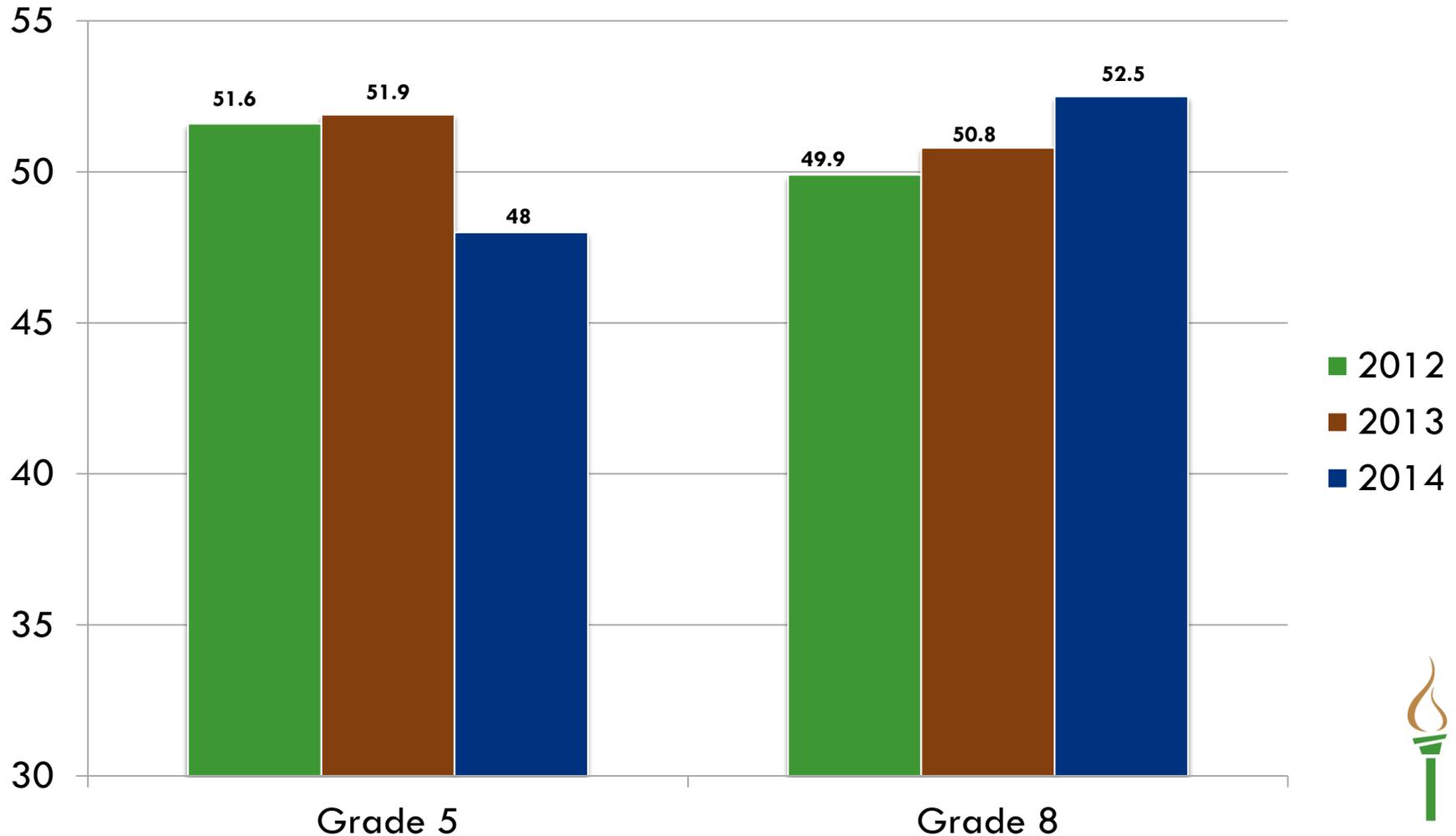
Proficient/Advanced Students End-Of-Course Com. Arts

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Proficient/Advanced Students Science

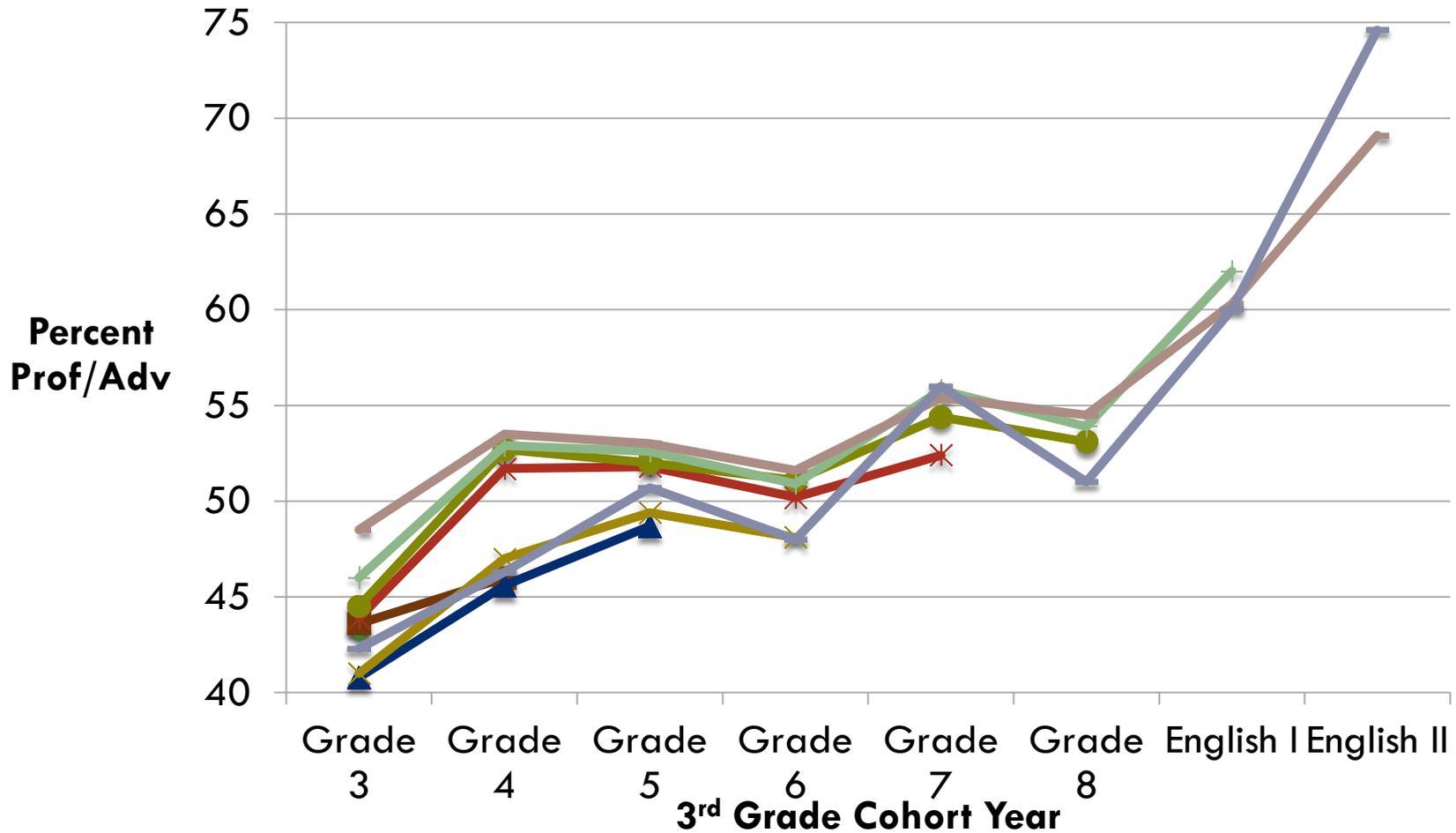
23



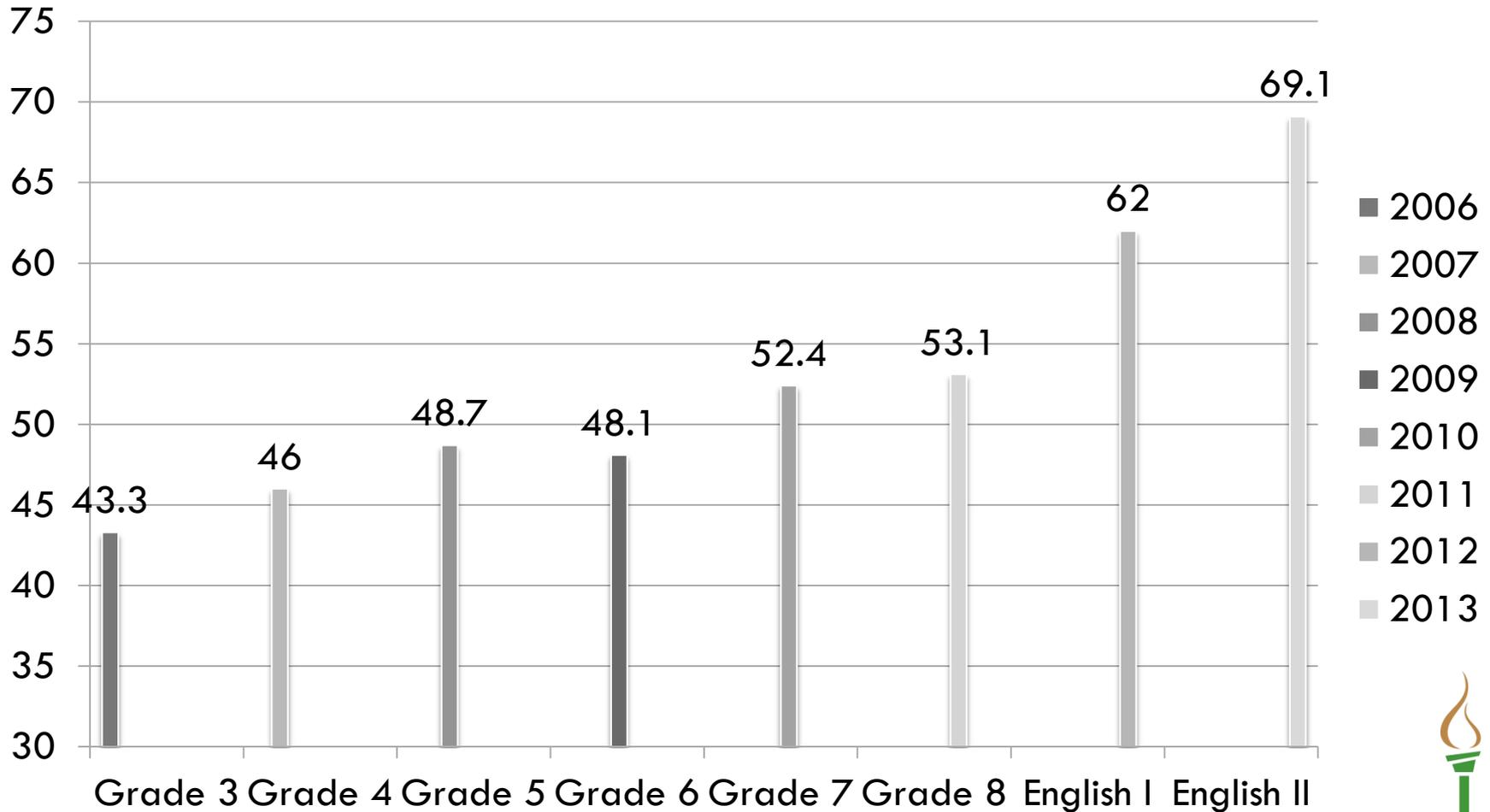
Proficient/Advanced Students

English language arts 2006-2014 Grade 3 Cohorts

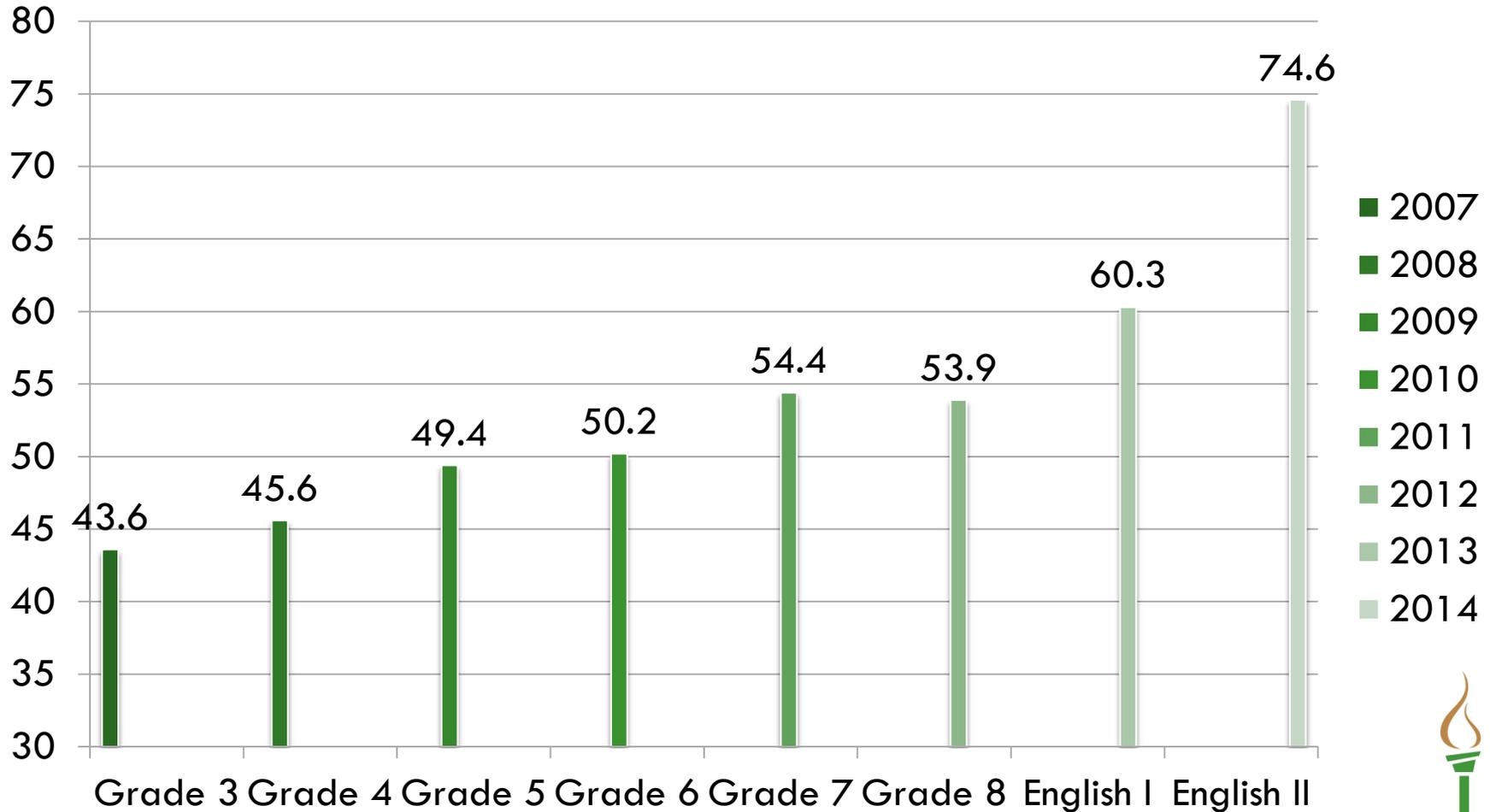
3rd Grade English language arts through English II



Proficient/Advanced Students English language arts 2006 Grade 3 Cohort

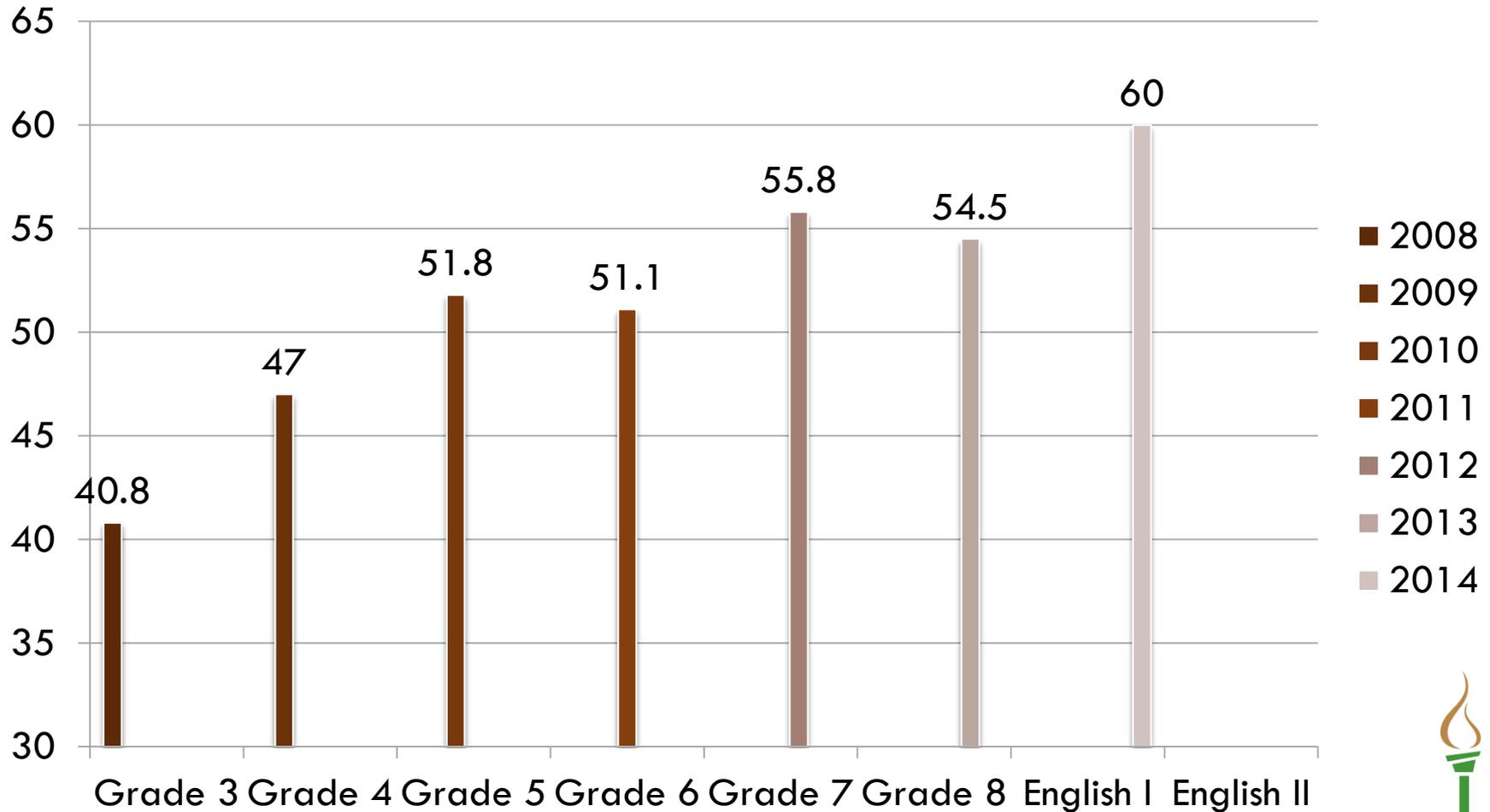


Proficient/Advanced Students English language arts 2007 Grade 3 Cohort



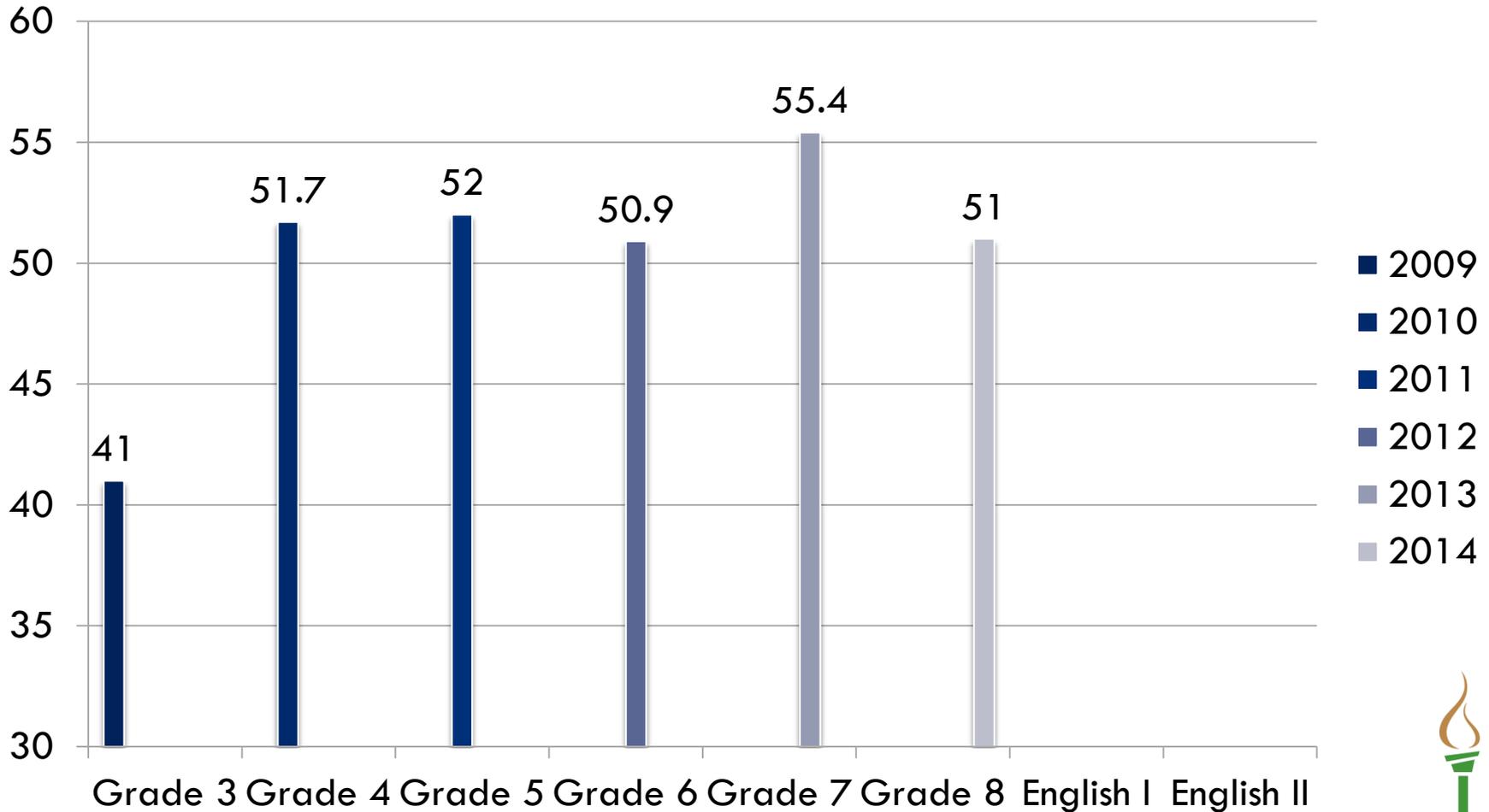
Proficient/Advanced Students English language arts 2008 Grade 3 Cohort

27

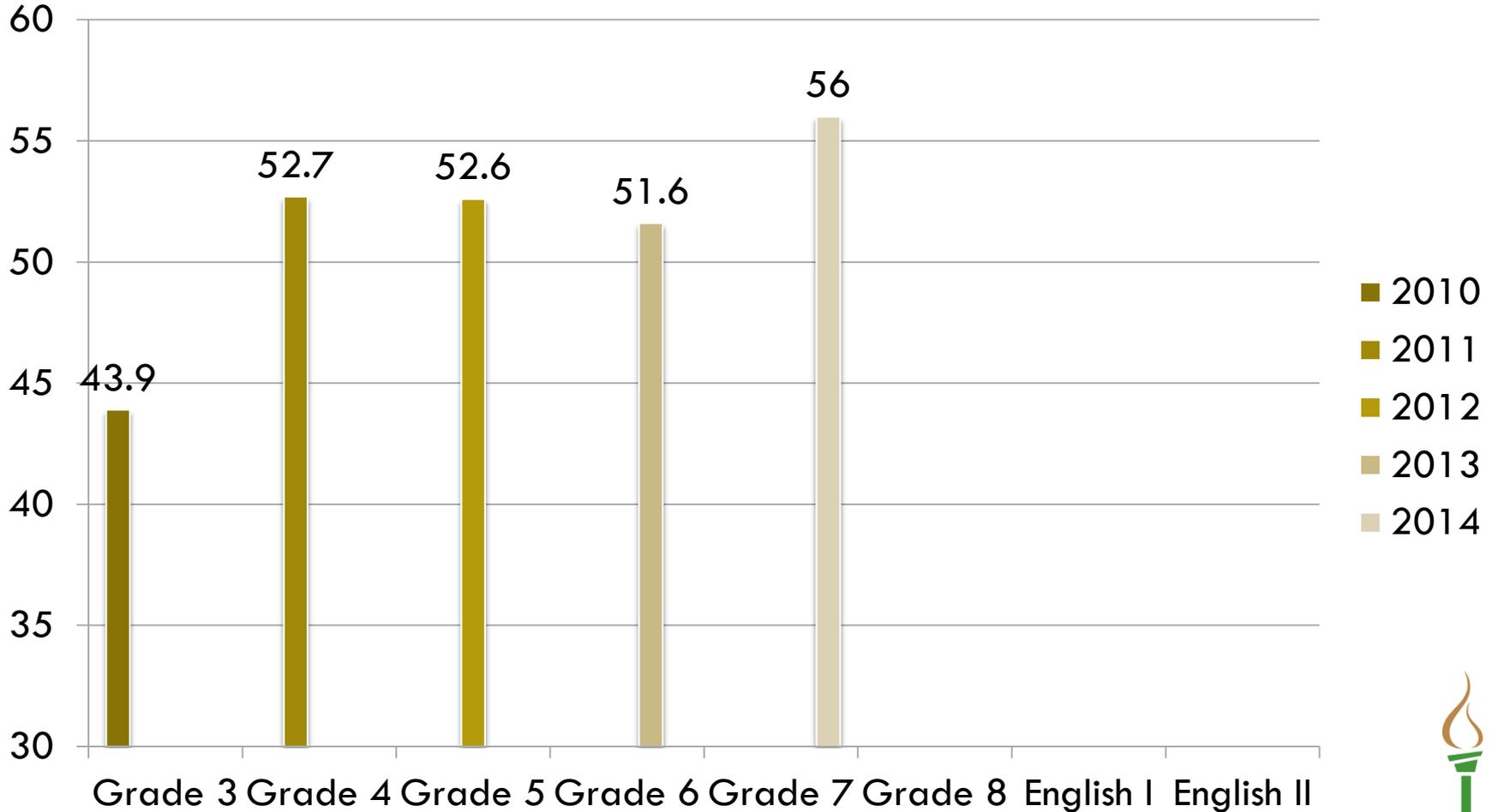


Proficient/Advanced Students English language arts 2009 Grade 3 Cohort

28

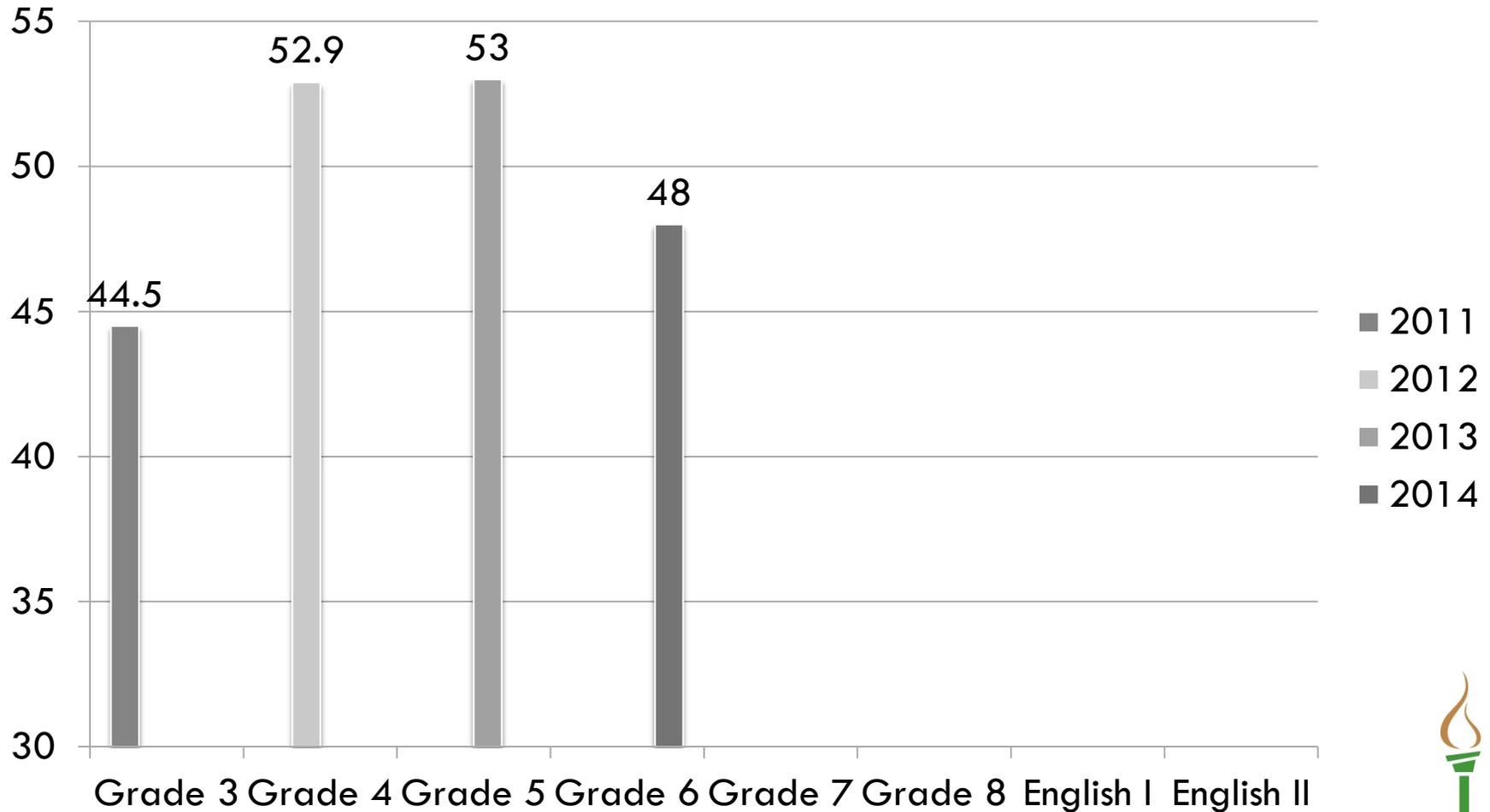


Proficient/Advanced Students English language arts 2010 Grade 3 Cohort



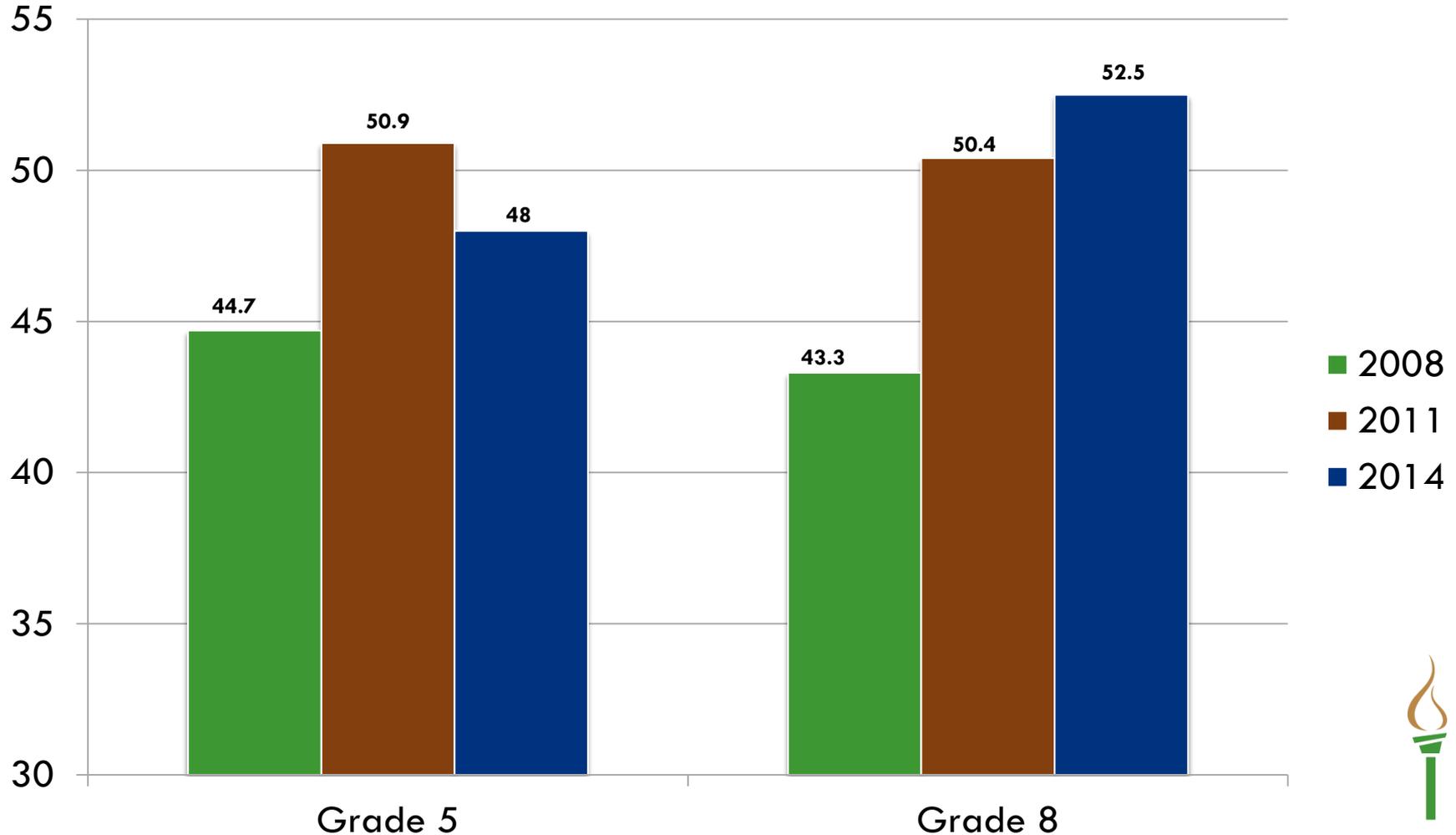
Proficient/Advanced Students English language arts 2011 Grade 3 Cohort

30



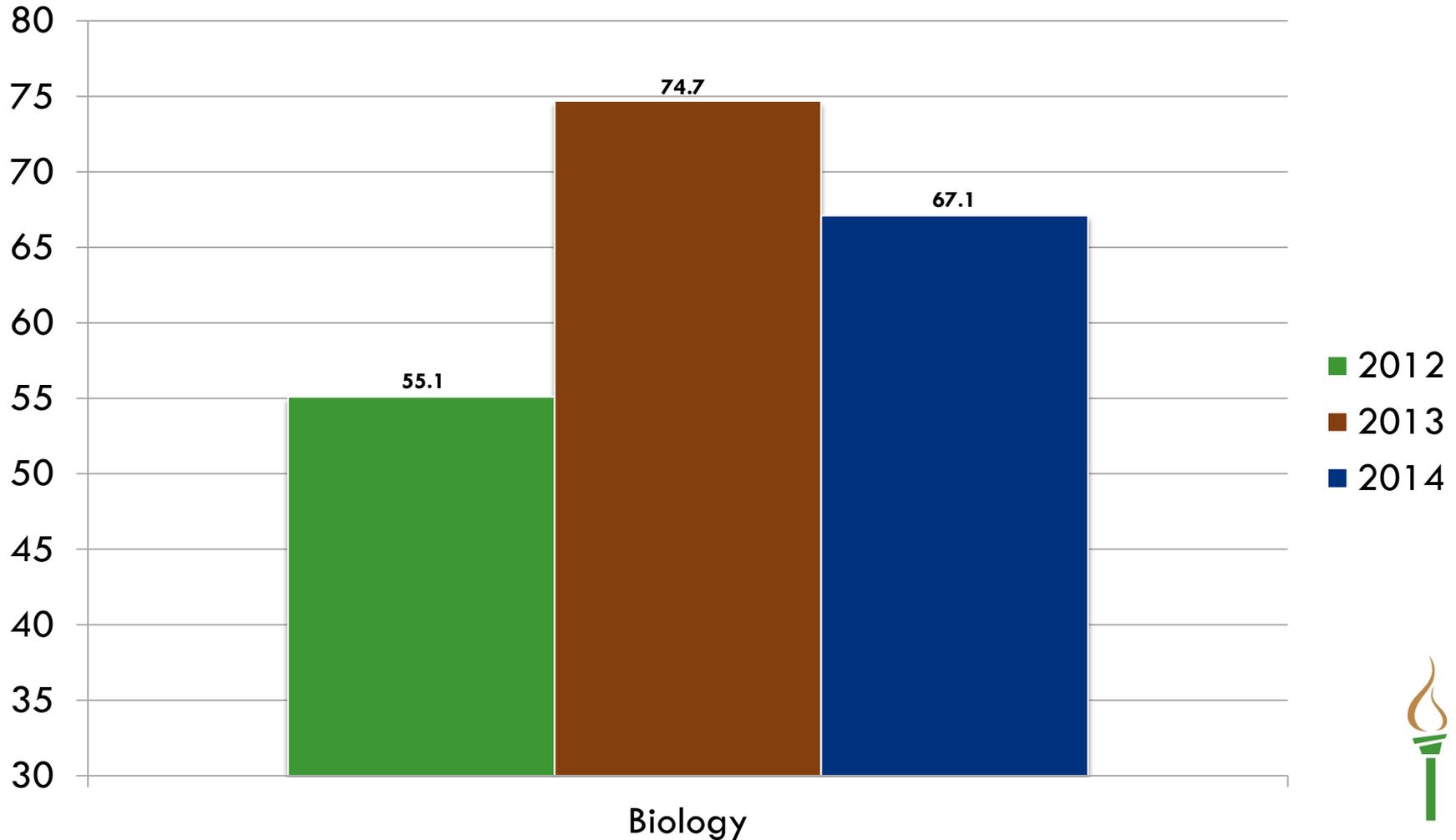
Proficient/Advanced Students Science 2008-2014

31



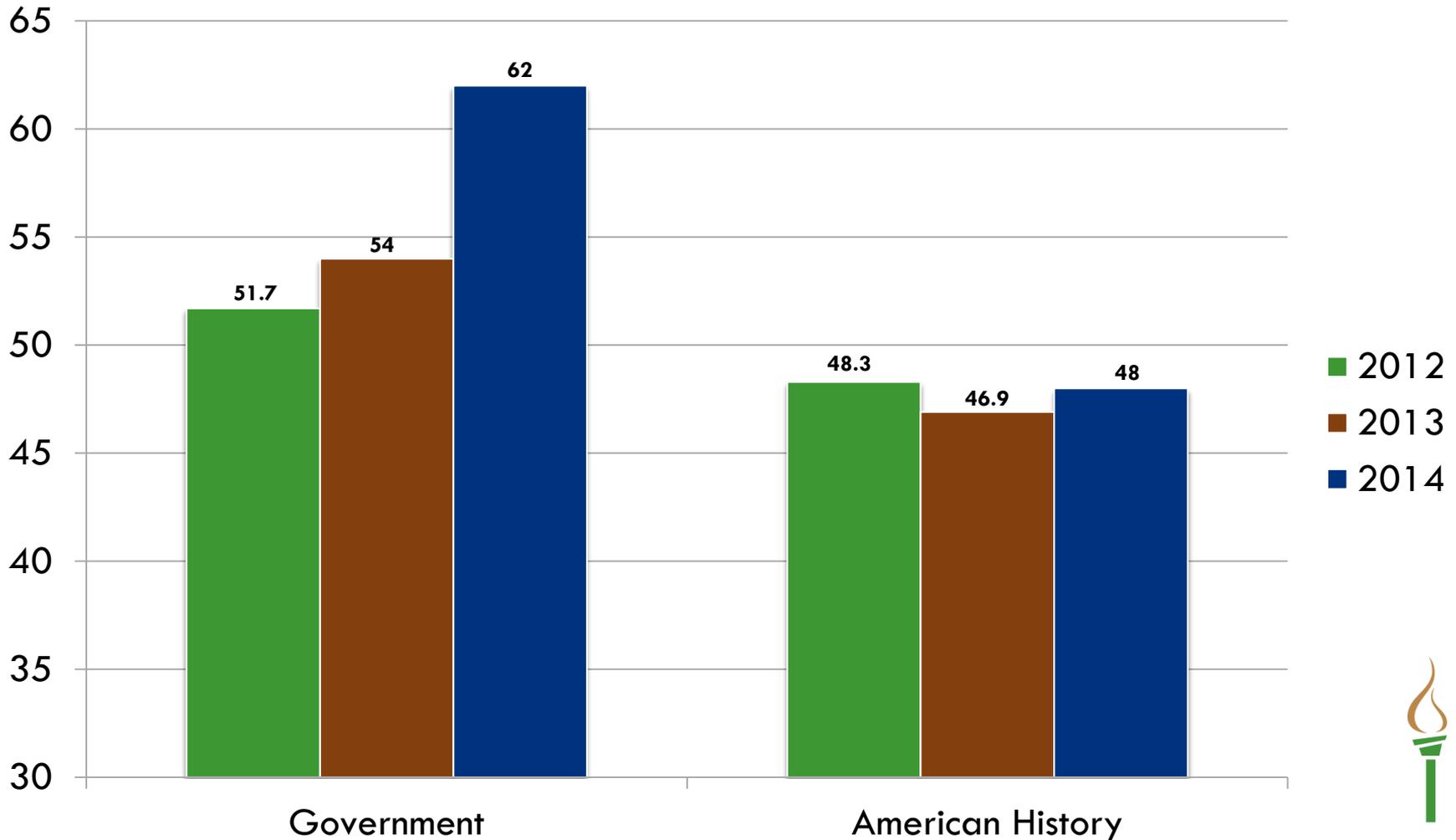
Proficient/Advanced Students End-Of-Course Science

32



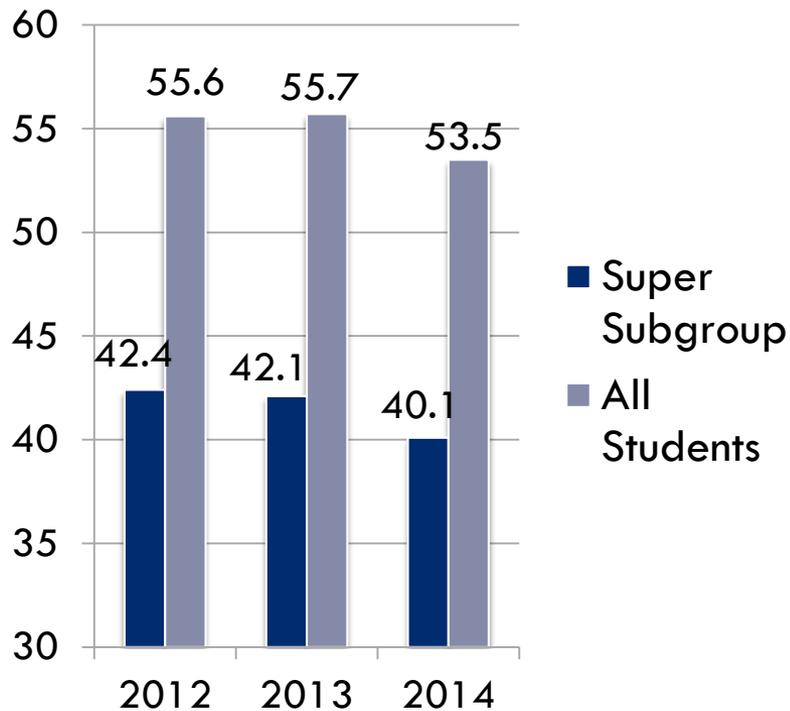
Proficient/Advanced Students End-Of-Course Social Studies

33

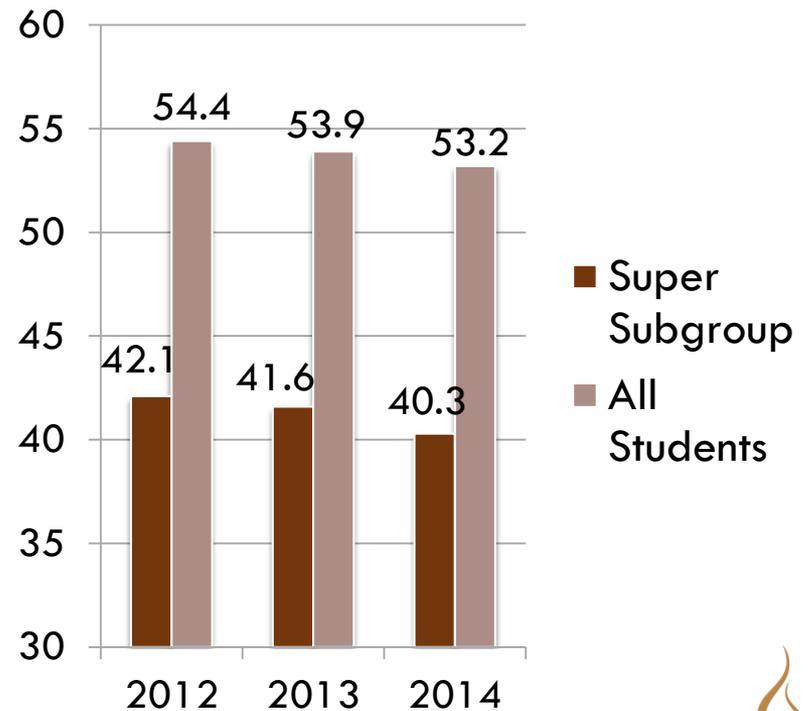


Super Subgroup

Communication Arts Proficient/Advanced

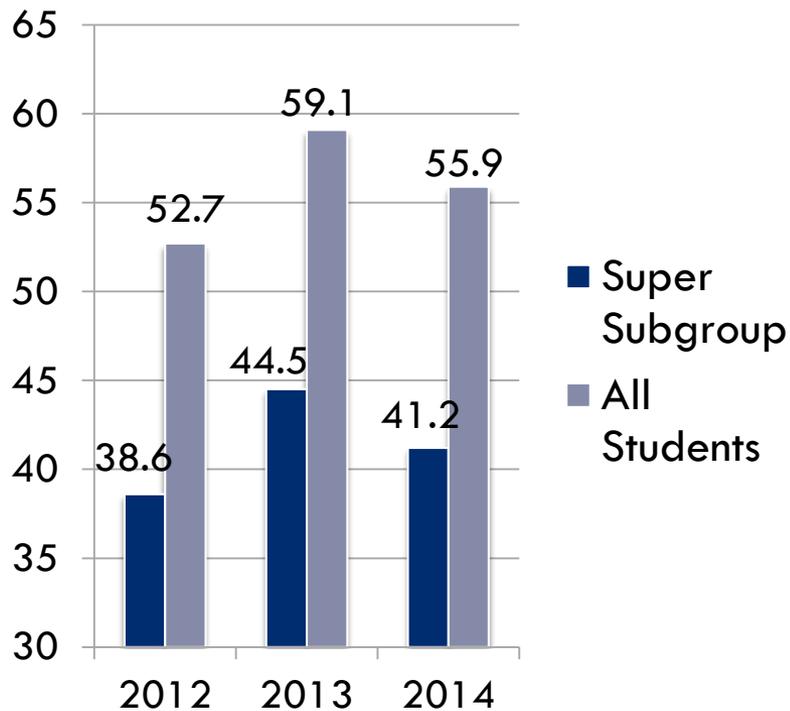


Mathematics Proficient/Advanced



Super Subgroup

Science Proficient/Advanced



Social Studies Proficient/Advanced

