

National Assessment of Educational Progress

Highlights of the 2015 Twelfth-Grade Results

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Administered mathematics and reading assessments January – March 2015

National Samples

- 13,200 twelfth-graders assessed in mathematics
- 18,700 twelfth-graders assessed in reading

Results available for

- Nation
- Trend comparisons for
 - Previous assessment in 2013
 - First assessments in 2005 for mathematics and 1992 for reading

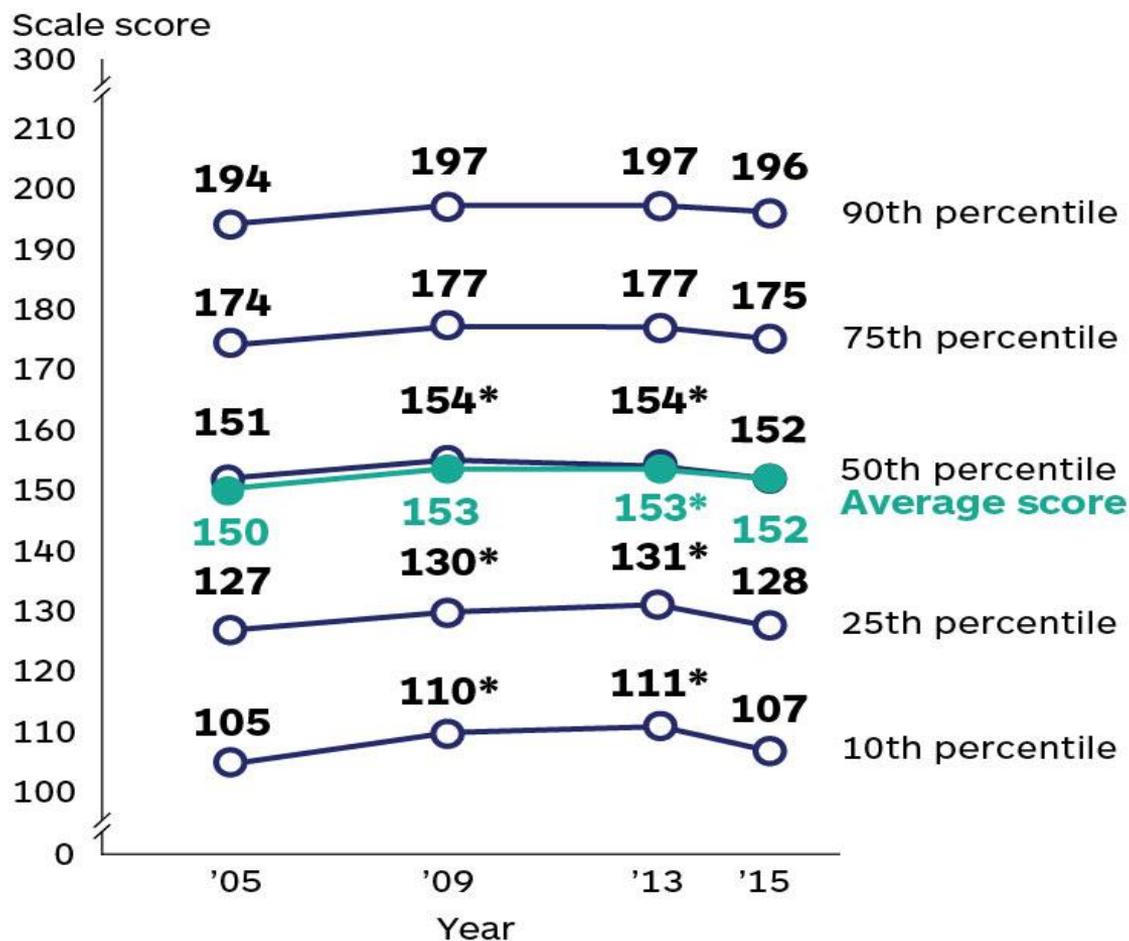
Performance reported as

- Average scale scores (0–300 scale for mathematics and 0–500 scale for reading)
- Achievement levels (*Basic, Proficient, Advanced*)

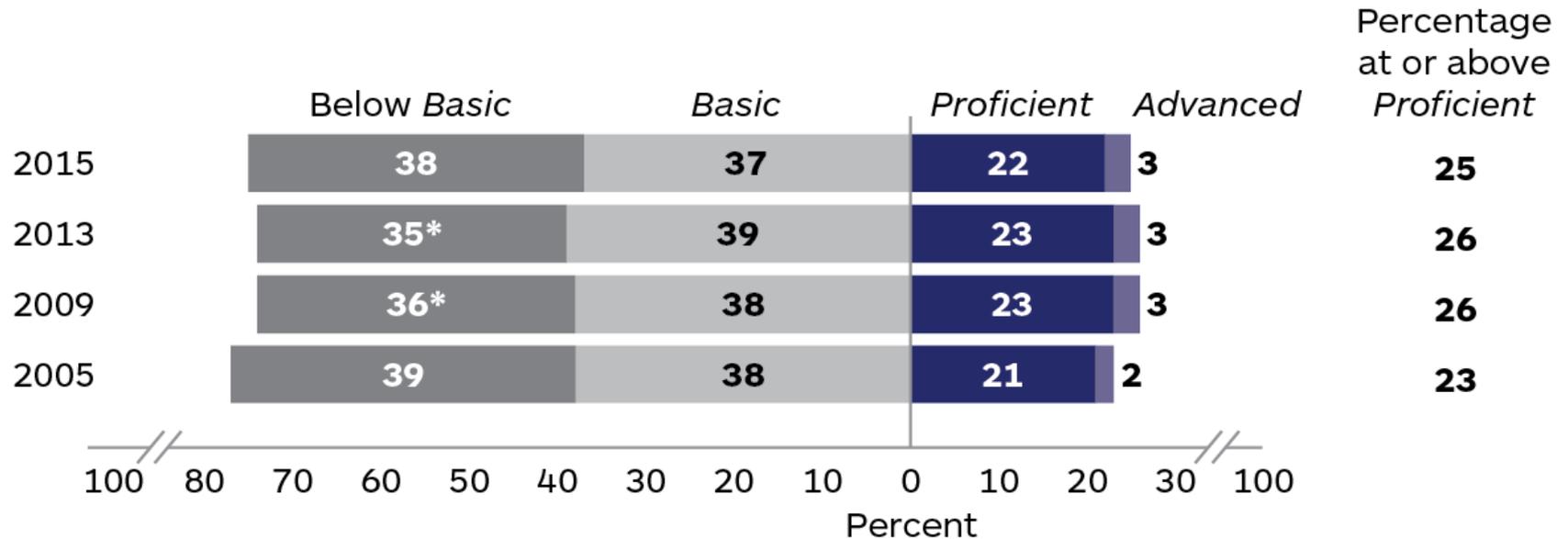


Mathematics

Average mathematics score lower than 2013



No significant change in the percentage of students at or above *Proficient* compared to 2013



* Significantly different ($p < .05$) from 2015.

NOTE: Detail may not sum to totals because of rounding.

Scores for racial/ethnic groups unchanged compared to 2013

	2015 Score	Score changes	Percentage of students	
		From 2013	2013	2015
All students	152	↓ 2	†	†
Race/ethnicity				
White	160	◆	58	55
Black	130	◆	14	14
Hispanic	139	◆	20	22
Asian/Pacific Islander	170	◆	6	6
American Indian/Alaska Native	138	◆	1	1
Two or more races	157	◆	2	2
Gender				
Male	153	↓ 2	51	52
Female	150	↓ 2	49	48

† Not applicable.

NOTE: The NAEP mathematics scale ranges from 0-300 at grade 12.

↓ Score decreased ◆ No significant change

Scores for most racial/ethnic groups higher compared to 2005

	2015 Score	Score changes	Percentage of students	
		From 2005	2005	2015
All students	152	◆	†	†
Race/ethnicity				
White	160	↑ 3	66*	55
Black	130	↑ 3	14	14
Hispanic	139	↑ 5	13*	22
Asian/Pacific Islander	170	↑ 7	5	6
American Indian/Alaska Native	138	◆	1	1
Two or more races	157	↑ 15	1*	2
Gender				
Male	153	◆	48*	52
Female	150	◆	52*	48

† Not applicable.

* Significantly different ($p < .05$) from 2015.

NOTE: The NAEP mathematics scale ranges from 0-300 at grade 12.

↑ Score increased ◆ No significant change

Score increase for one group since 2013

	2015 score	Score changes	
		From 2005	From 2013
Highest level of parental education			
Did not finish high school (9%)	133	◆	↓ 4
Graduated high school (17%)	139	◆	◆
Some education after high school (20%)	149	◆	↓ 3
Graduated college (49%)	163	◆	◆
Status as students with disabilities (SD)			
SD (9%)	118	◆	◆
Not SD (91%)	155	↑ 2	↓ 2
Status as English language learners (ELL)			
ELL (4%)	115	◆	↑ 6
Not ELL (96%)	153	◆	↓ 2

↑ Score increased ↓ Score decreased ◆ No significant change

NOTE: The NAEP mathematics scale ranges from 0-300 at grade 12.

Scores decline in all mathematics content areas since 2013

Content areas	2015 score	Score changes
		From 2013
Number properties and operations	147	↓ 2
Measurement and geometry	152	↓ 2
Data analysis, statistics, and probability	151	↓ 2
Algebra	153	↓ 2

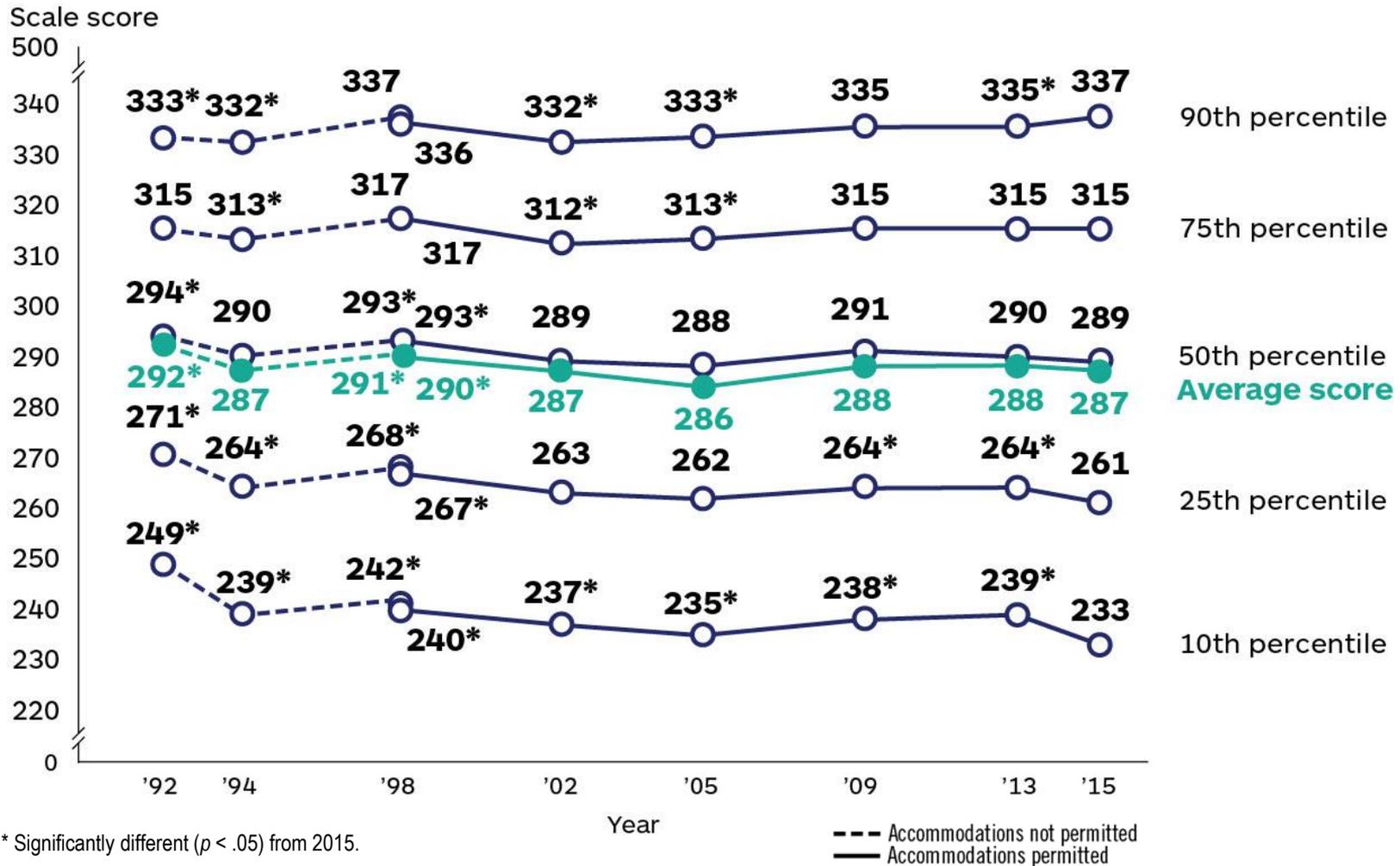
NOTE: The NAEP mathematics scale ranges from 0-300 at grade 12.

↓ Score decreased

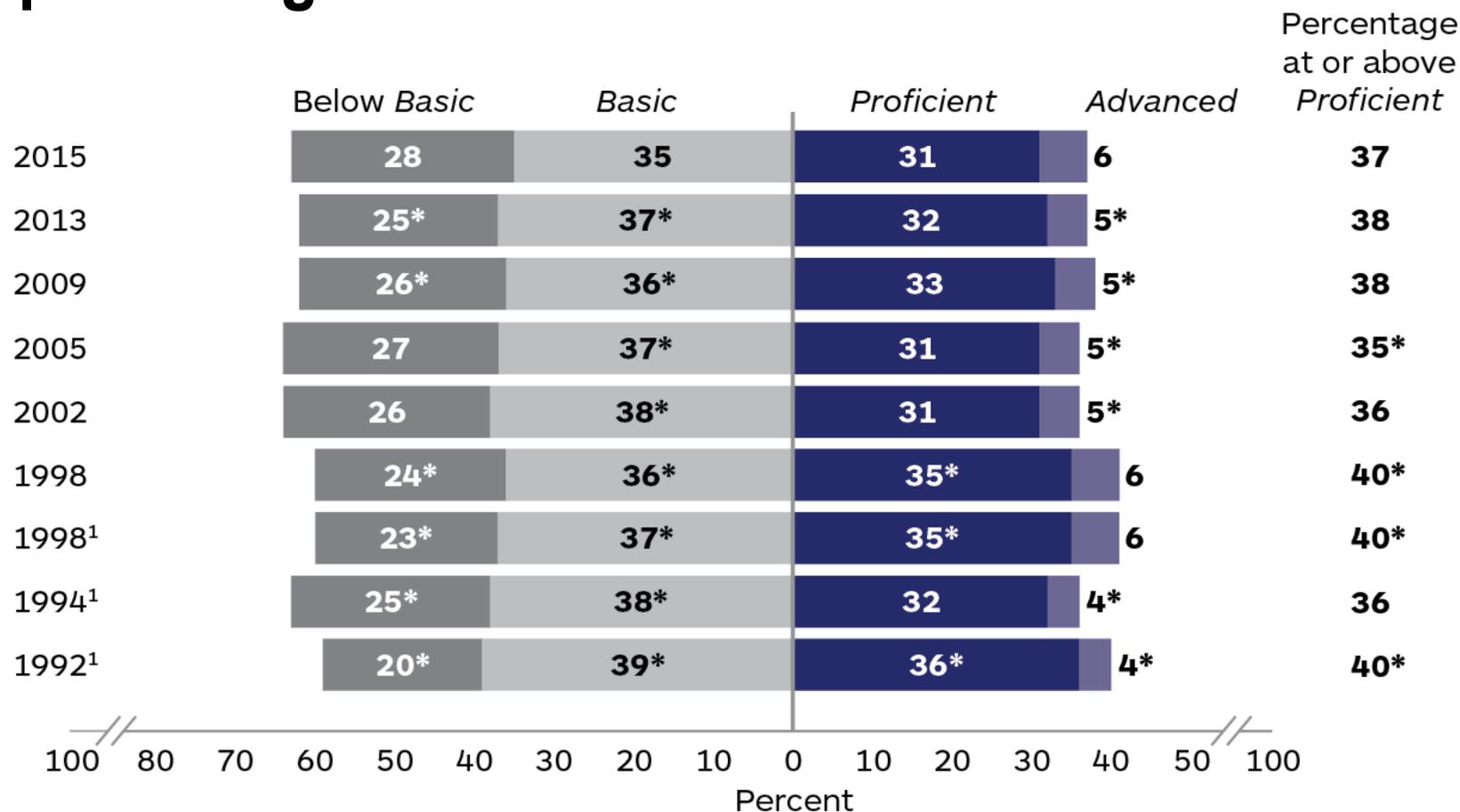


Reading

Average reading score not significantly different from 2013



No significant change compared to 2013 in the percentage of students at or above *Proficient*



* Significantly different ($p < .05$) from 2015.

¹ Accommodations not permitted.

NOTE: Detail may not sum to totals because of rounding.

Scores for racial/ethnic groups unchanged compared to 2013

	2015 Score	Score changes	Percentage of students	
		From 2013	2013	2015
All students	287	◆	†	†
Race/ethnicity				
White	295	◆	58	56
Black	266	◆	14	14
Hispanic	276	◆	20	21
Asian/Pacific Islander	297	◆	5	6
American Indian/Alaska Native	279	◆	1	1
Two or more races	295	◆	2*	2
Gender				
Male	282	◆	51	50
Female	292	◆	49	50

† Not applicable.

* Significantly different ($p < .05$) from 2015.

NOTE: The NAEP reading scale ranges from 0-500.

◆ No significant change

Scores for most racial/ethnic groups unchanged compared to 1992

	2015 Score	Score changes	Percentage of students	
		From 1992	1992	2015
All students	287	↓ 5	†	†
Race/ethnicity				
White	295	◆	74*	56
Black	266	↓ 8	15	14
Hispanic	276	◆	7*	21
Asian/Pacific Islander	297	◆	3*	6
American Indian/Alaska Native	279	‡	#*	1
Two or more races	295	‡	1*	2
Gender				
Male	282	↓ 5	49	50
Female	292	↓ 5	51	50

† Not applicable.

‡ Reporting standards not met. Sample size insufficient to permit a reliable estimate.

Rounds to zero.

* Significantly different ($p < .05$) from 2015.

NOTE: The NAEP reading scale ranges from 0-500.

↓ Score decreased ◆ No significant change

Scores unchanged compared to 2013 for most student groups

	2015 score	Score changes	
		From 1992	From 2013
Highest level of parental education			
Did not finish high school (9%)	268	↓ 7	◆
Graduated high school (17%)	273	↓ 9	◆
Some education after high school (21%)	287	↓ 7	◆
Graduated college (50%)	298	↓ 3	◆
Status as students with disabilities (SD)			
SD (9%)	252	—	◆
Not SD (91%)	291	—	◆
Status as English language learners (ELL)			
ELL (3%)	240	—	◆
Not ELL (97%)	289	—	◆

— Not available.

NOTE: The NAEP reading scale ranges from 0-500.

↓ Score decreased ◆ No significant change

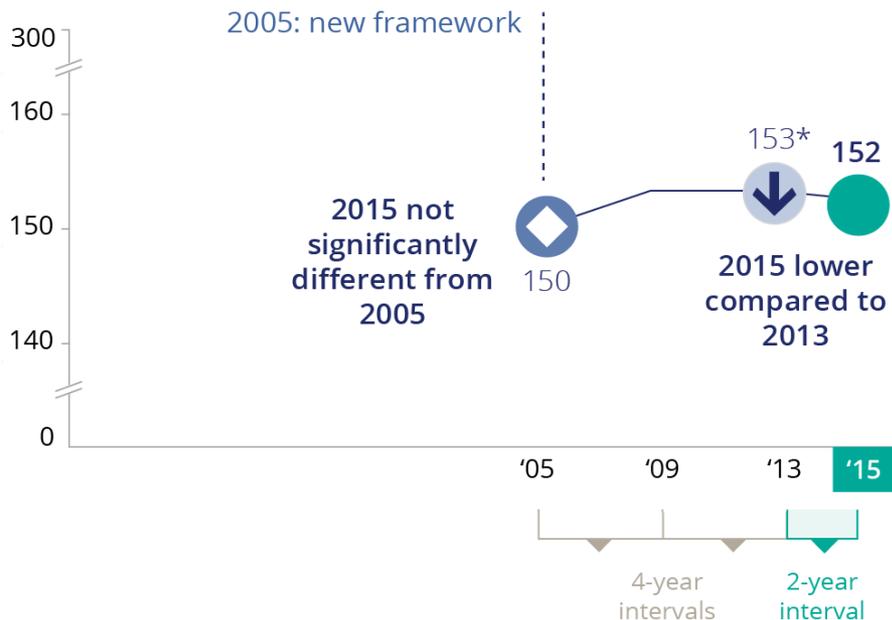


Grade 12 Mathematics and Reading Summary

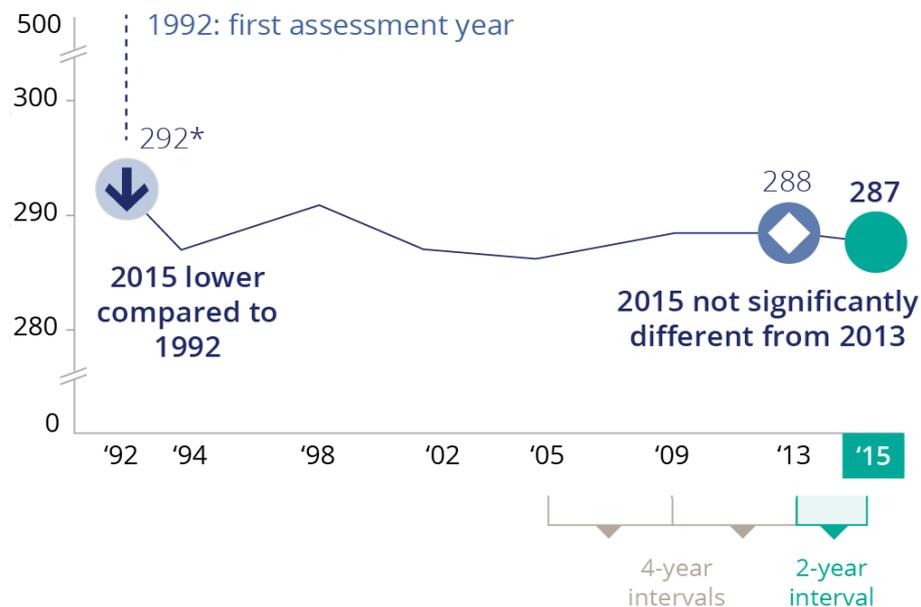
Average mathematics score lower and reading score unchanged



Mathematics



Reading



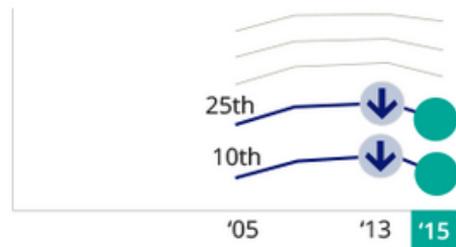
* Significantly different ($p < .05$) from 2015.

PERCENTILE SCORES

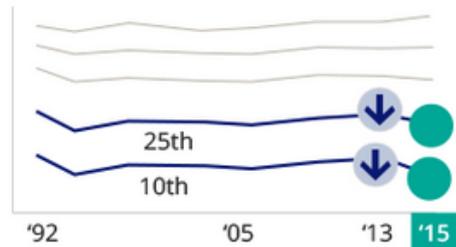
The scores of students performing at the 10th and 25th percentiles were lower in 2015 compared to 2013.

10th and 25th percentiles

MATHEMATICS



READING

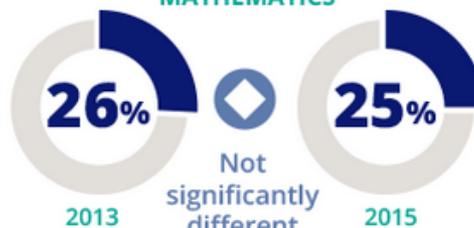


ACHIEVEMENT LEVELS

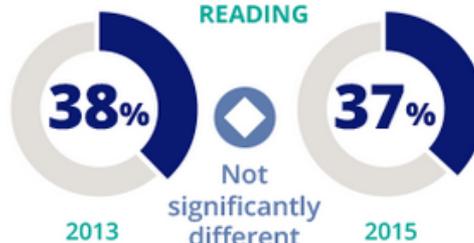
The percentage of twelfth-grade students performing at or above *Proficient* was not significantly different in 2015 compared to 2013.

Percentage at or above *Proficient* achievement level

MATHEMATICS



READING

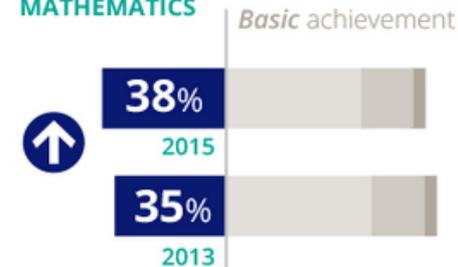


ACHIEVEMENT LEVELS

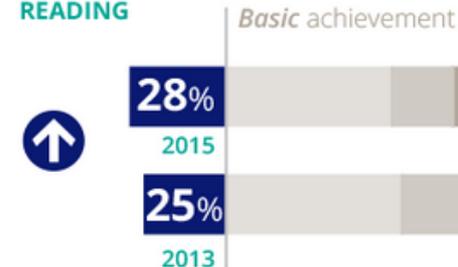
The percentage of twelfth-grade students performing below *Basic* was higher in 2015 compared to 2013.

Percentage below *Basic* achievement level

MATHEMATICS



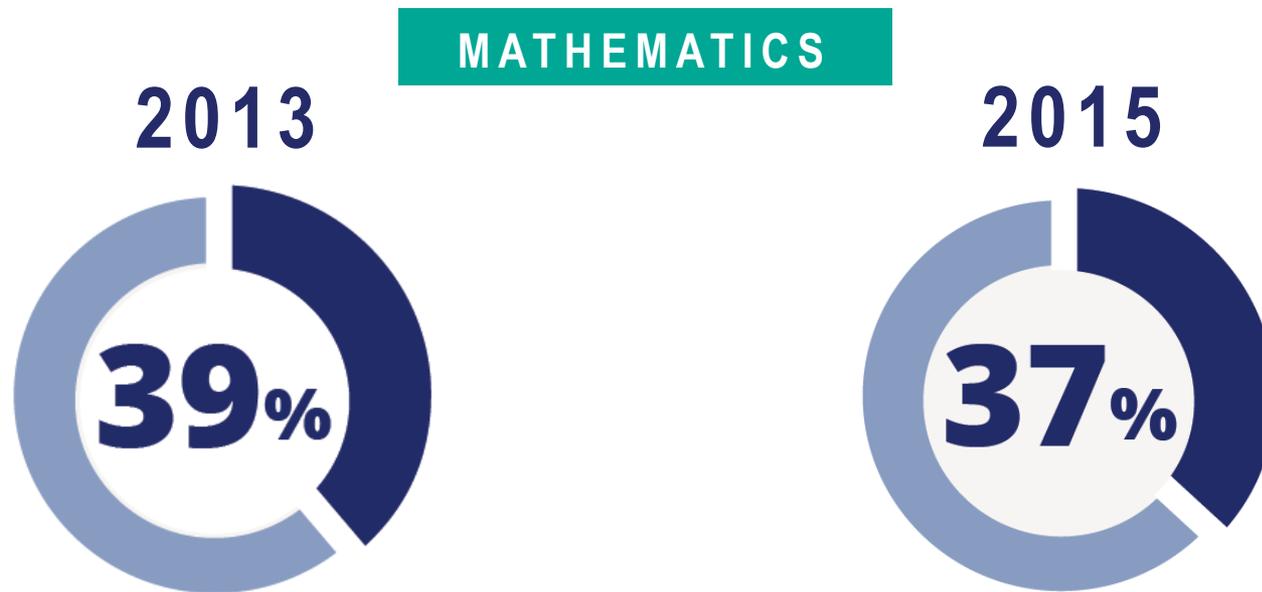
READING





Academic Preparedness for College

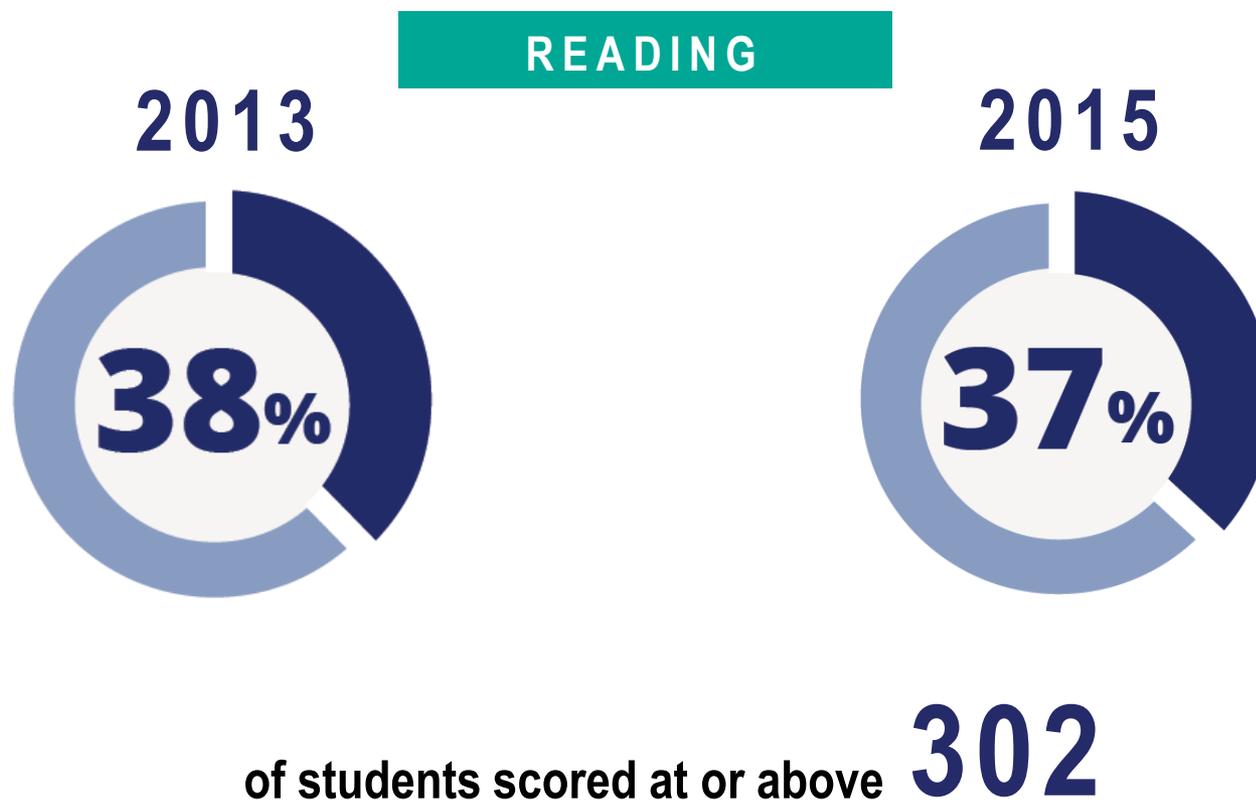
Provisional estimates of the percentage of students academically prepared for college



of students scored at or above **163**

NOTE: The NAEP mathematics scale ranges from 0-300 at grade 12.

Provisional estimates of the percentage of students academically prepared for college



NOTE: The NAEP reading scale ranges from 0-500.

Explore the results online
<http://nationsreportcard.gov>

