



NAEP 2019 Mathematics and Reading Results

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What is NAEP?

- The only assessment that measures what U.S. students know and can do in various subjects across the nation, states, and in some cases, urban districts.
- NAEP results are released as “The Nation's Report Card”



The
Nation's
Report Card

National Assessment of
Educational Progress

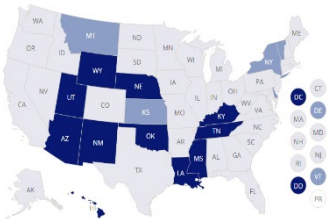
What does NAEP measure?



Overall student performance for key demographic groups



Change over time



Differences between the nation, states, and urban districts

NAEP Subjects



Civics



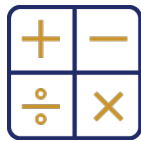
Economics



Geography



U.S. History



Mathematics



Music



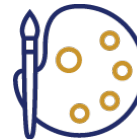
Reading



Science



Technology &
Engineering Literacy

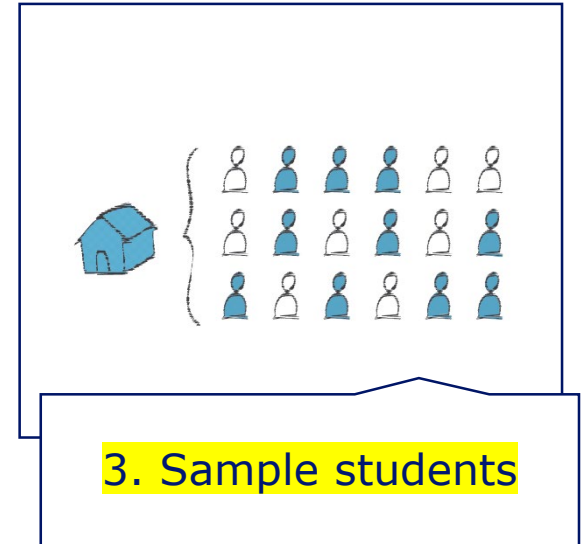
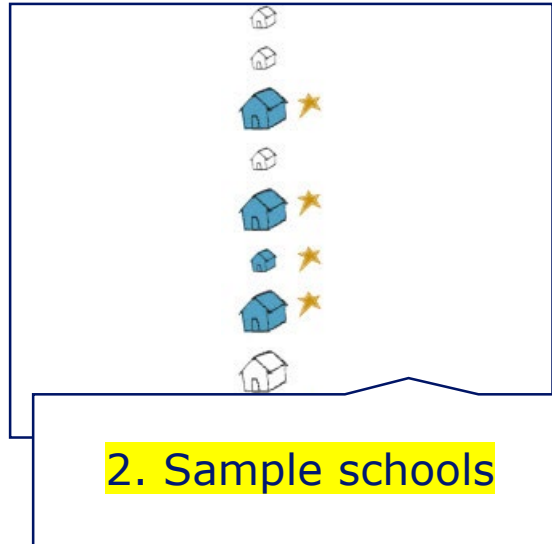
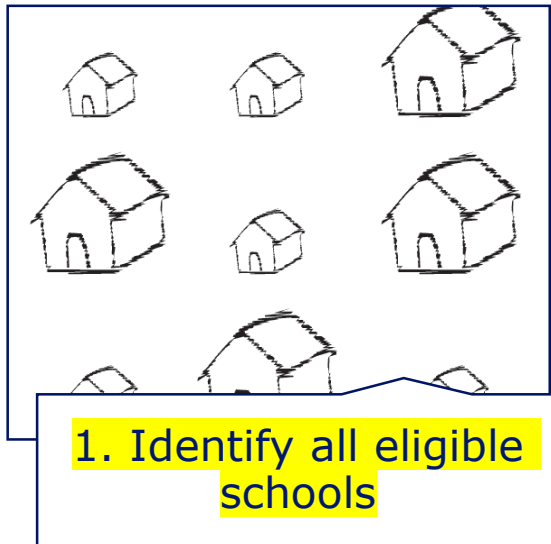


Visual Arts



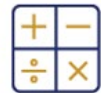
Writing

NAEP School and Student Selection



Sample Sizes (National Public)

- Representative samples of schools and students



Mathematics



Reading

Grade	Schools	Students	Schools	Students
4	7,810	143,600	7,830	144,700
8	6,560	142,200	6,560	138,100

NOTE: Student sample sizes rounded to the nearest hundred. School sample sizes rounded to the nearest ten.

NAEP Administration

- Six week period
- Each student assessed in one subject
- Students take a small portion of the assessment
- Accommodations provided as necessary for
 - students with disabilities
 - English language learners

JANUARY

M	T	W	T	F
	1	2	3	4
7	8	9	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30	31	

FEBRUARY

M	T	W	T	F
				1
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	

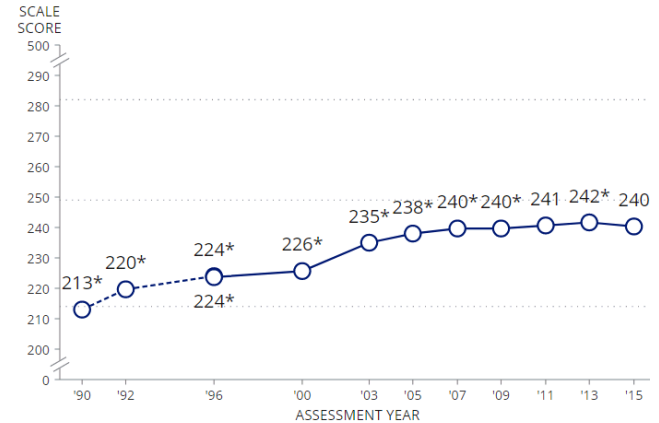
MARCH

M	T	W	T	F
				1
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29

NAEP Results

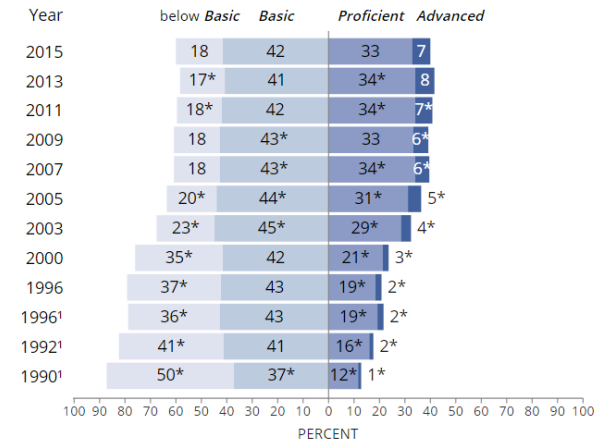
■ Scale Scores

- Numeric scale
- 0 – 500 on mathematics and reading assessments
- Cannot be compared across grade levels or content areas

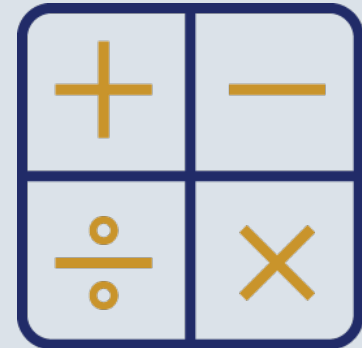


■ Achievement Levels

- Categorical scale
- Below Basic, Basic, Proficient, Advanced



Grade 4 Mathematics Results



2019 Idaho average scale
score (0-500)

ID - 242

6

jurisdictions
significantly
higher

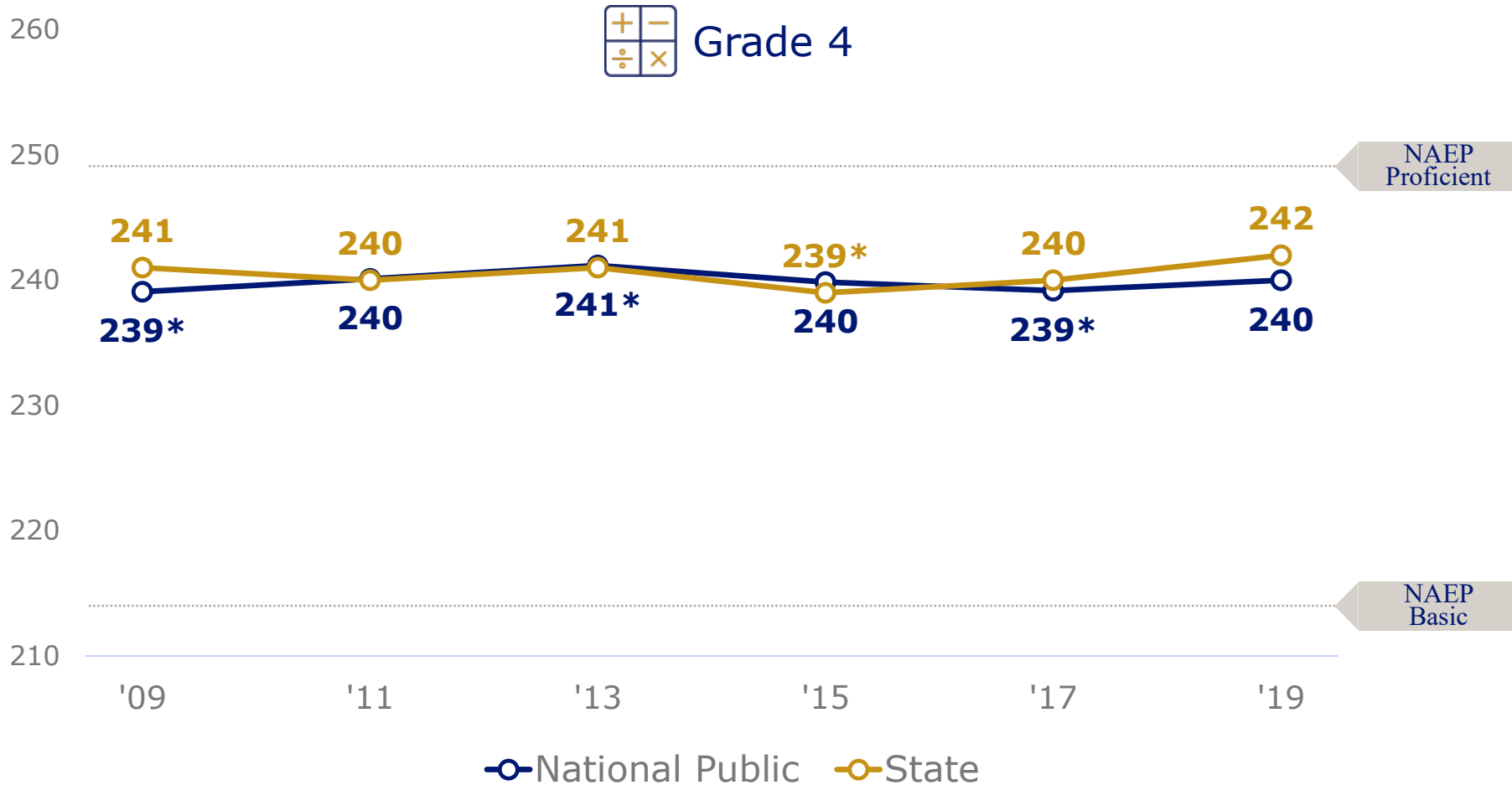
23

jurisdictions
not significantly
different

21

jurisdictions
significantly lower

Average Scale Scores Math Grade 4

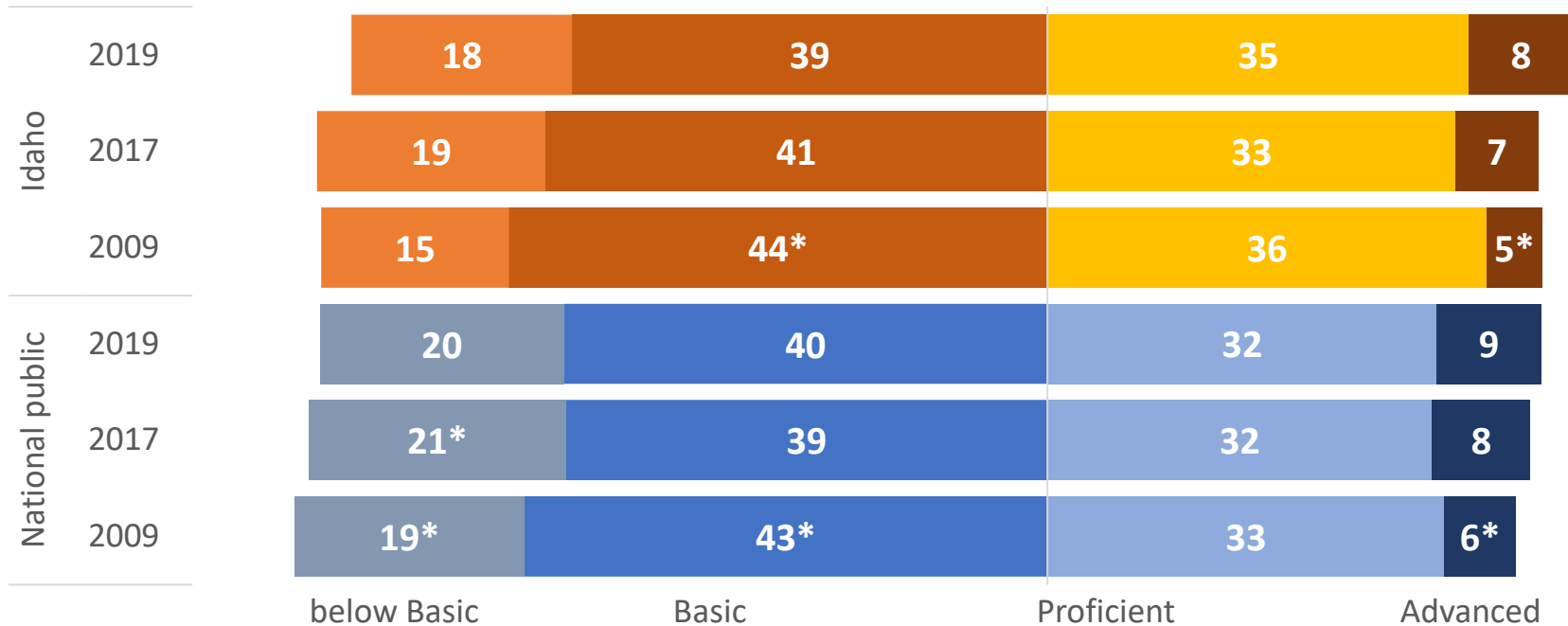


*Significantly different ($p < .05$) from 2019.

Achievement Level Percentages Math Grade 4



Percentage of students at each NAEP achievement level



*Significantly different ($p < .05$) from 2019.

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

Student Group Score Differences Math Grade 4



Grade 4 – Differences since 2009

Jurisdiction	All Students	Male	Female	Eligible for NSLP	Students with Disabilities	English language learners
Idaho	◆	◆	◆	◆	◆	◆
National Public	↑1	↑2	◆	↑1	↓6	↑2

↑ Higher

↓ Lower

◆ No significant change

— Not available

Jurisdiction	White	Black	Hispanic	Asian/ Pacific Islander	American Indian/ Alaska Native	Two or more races
Idaho	◆	—	◆	—	—	—
National Public	◆	↑2	↑3	↑6	◆	◆

Grade 4 | Mathematics | 2019

Achievement Levels – at or above *Basic*

2019 Idaho percentage at or above *Basic*

ID 82%

6

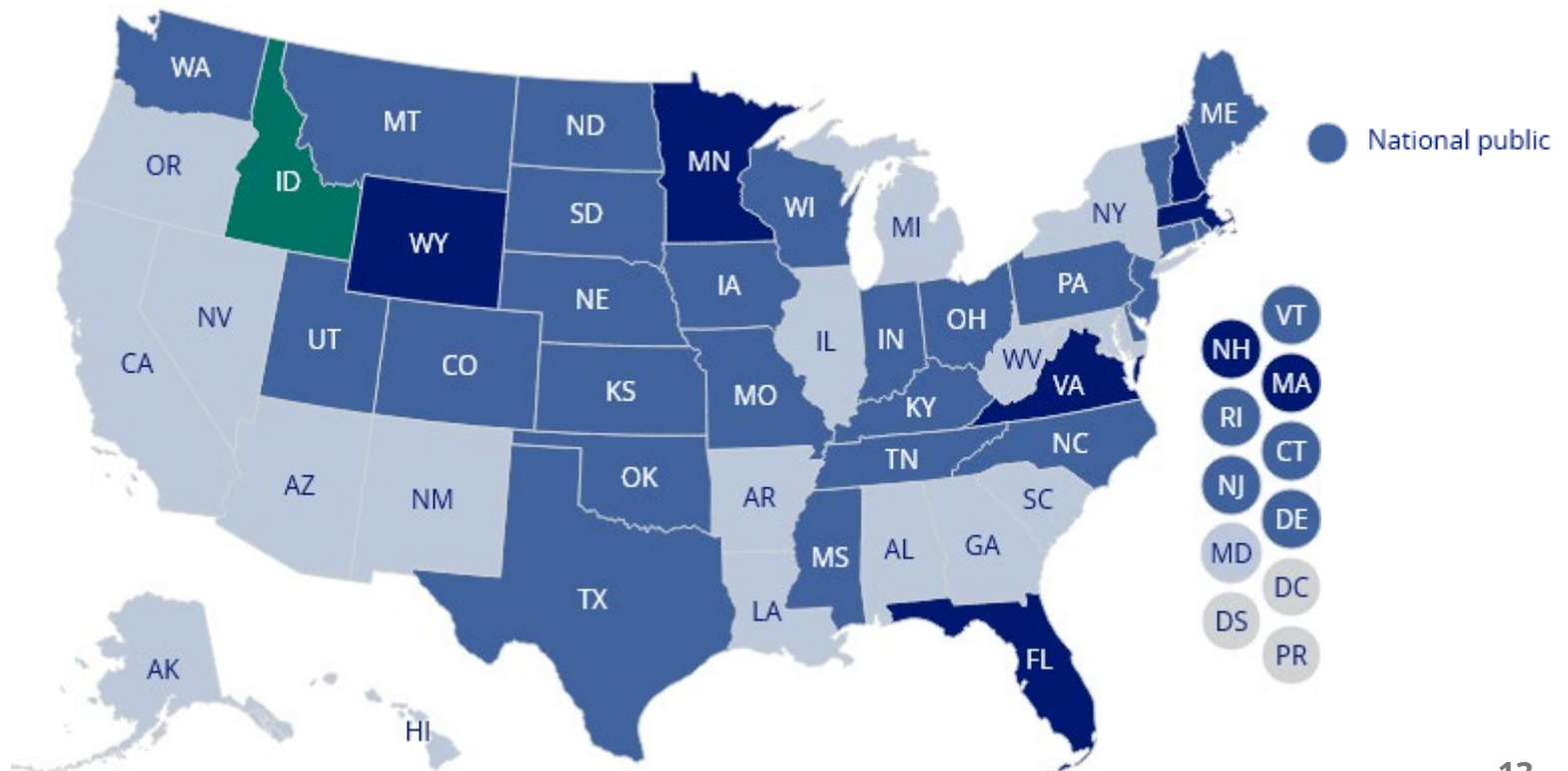
jurisdictions
significantly
higher

27

jurisdictions
not significantly
different

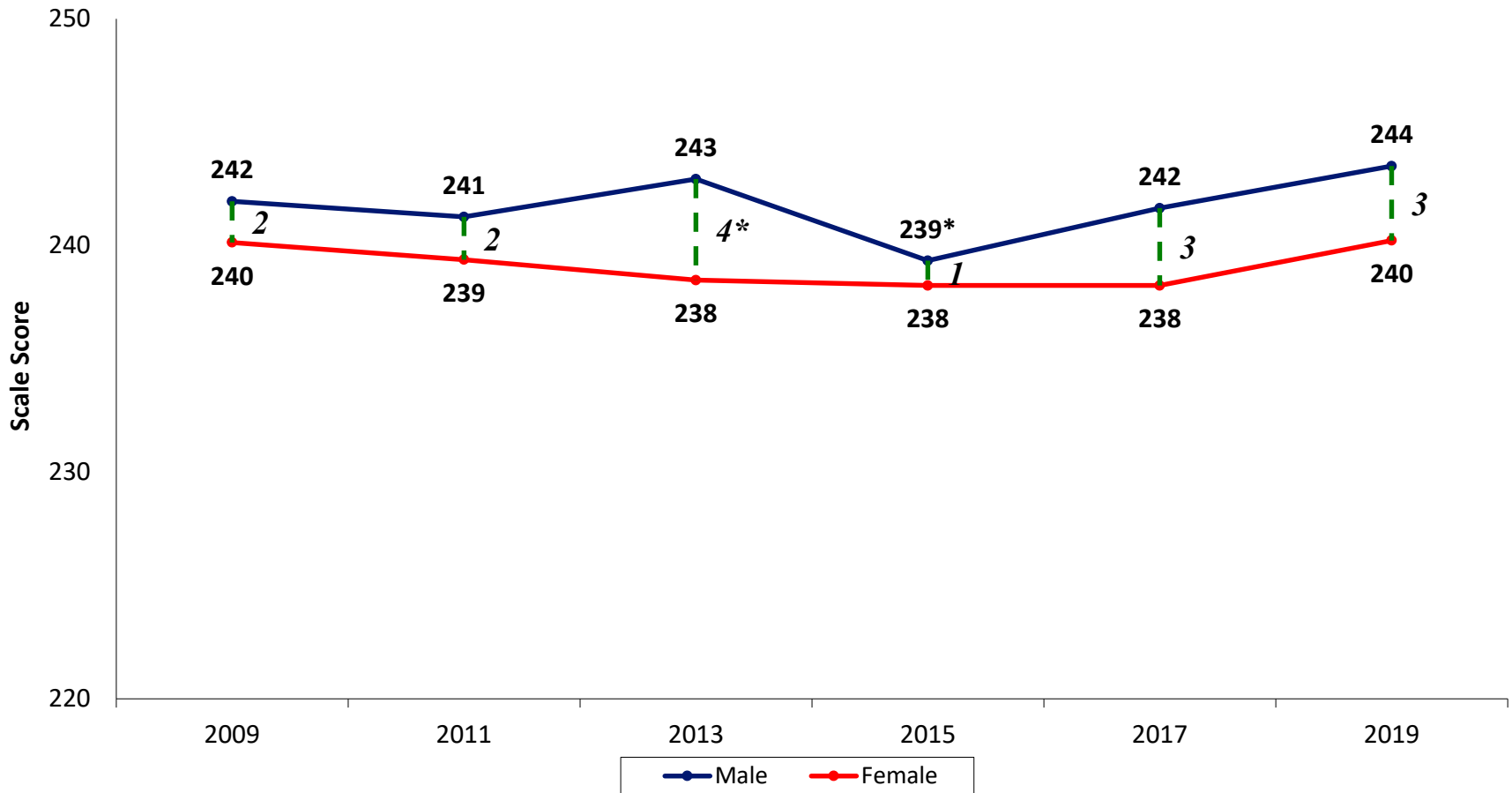
17

jurisdictions
significantly
lower



Gap Analysis Math Grade 4

NAEP Mathematics Grade 4
Gap - Average Scale Score: 2009-2019

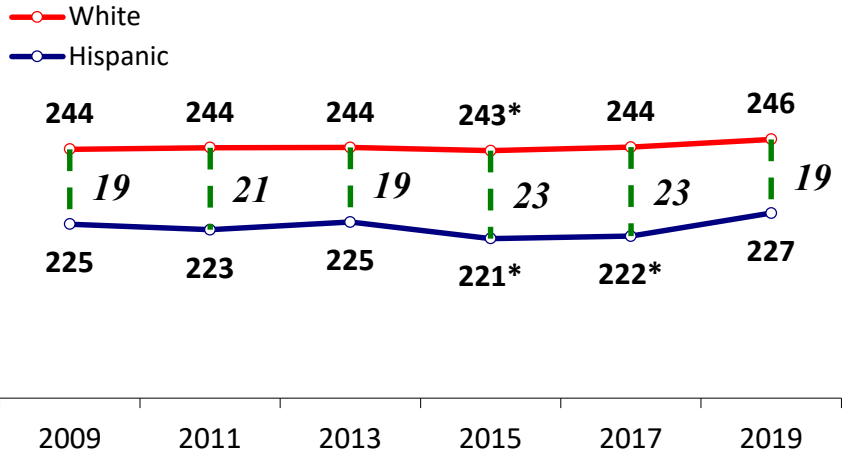


NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

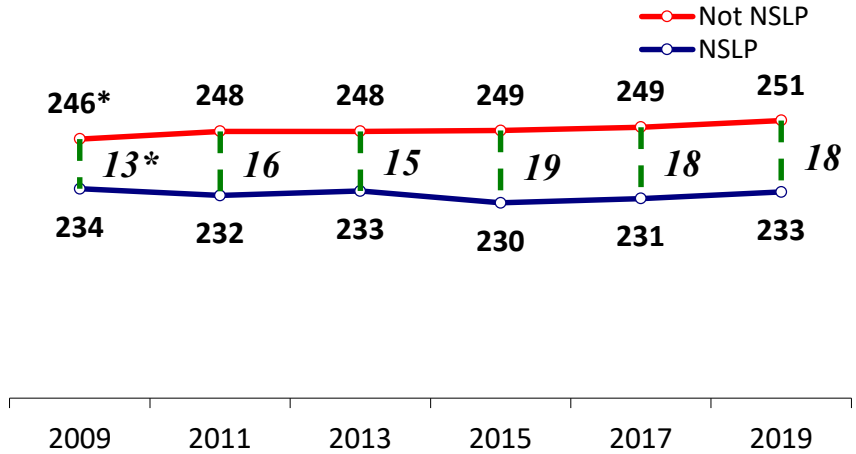
Gap Analyses Math Grade 4

all gaps are significant *gap different from 2019

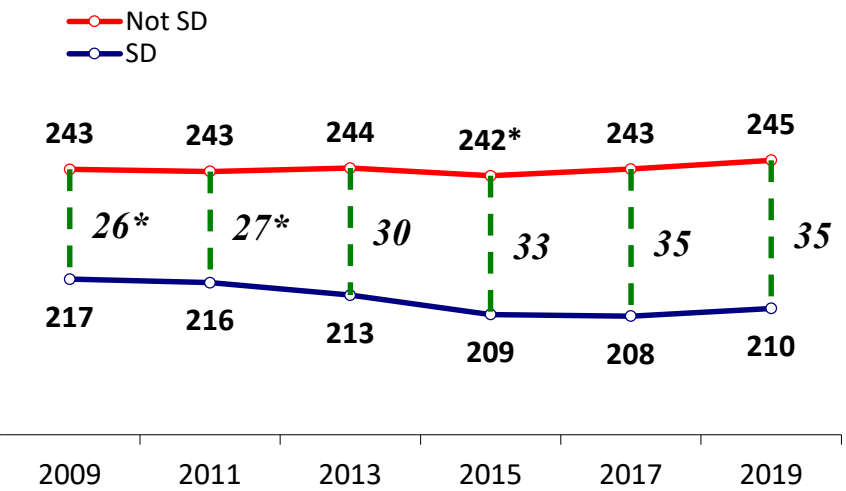
Hispanic White Gap



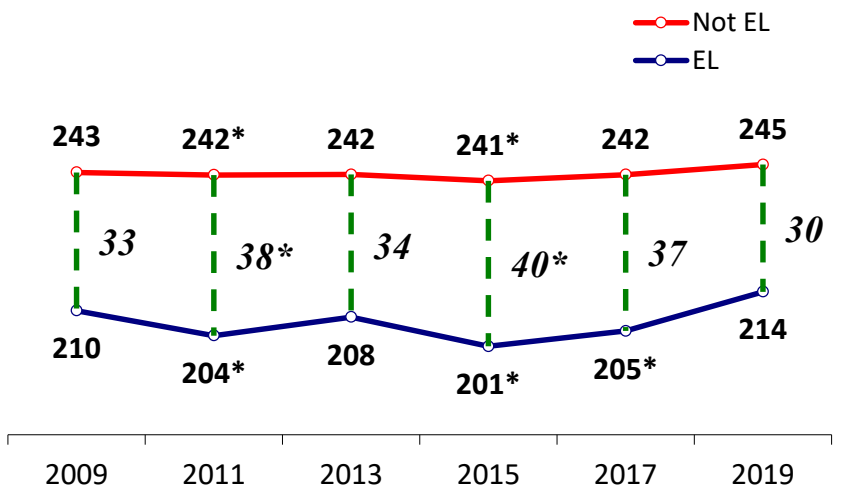
NSLP Gap



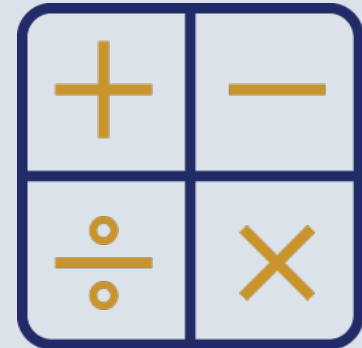
SD Gap



EL Gap



Grade 8 Mathematics Results



2019 Idaho average scale
score (0-500)

ID - 286

3

jurisdictions
significantly
higher

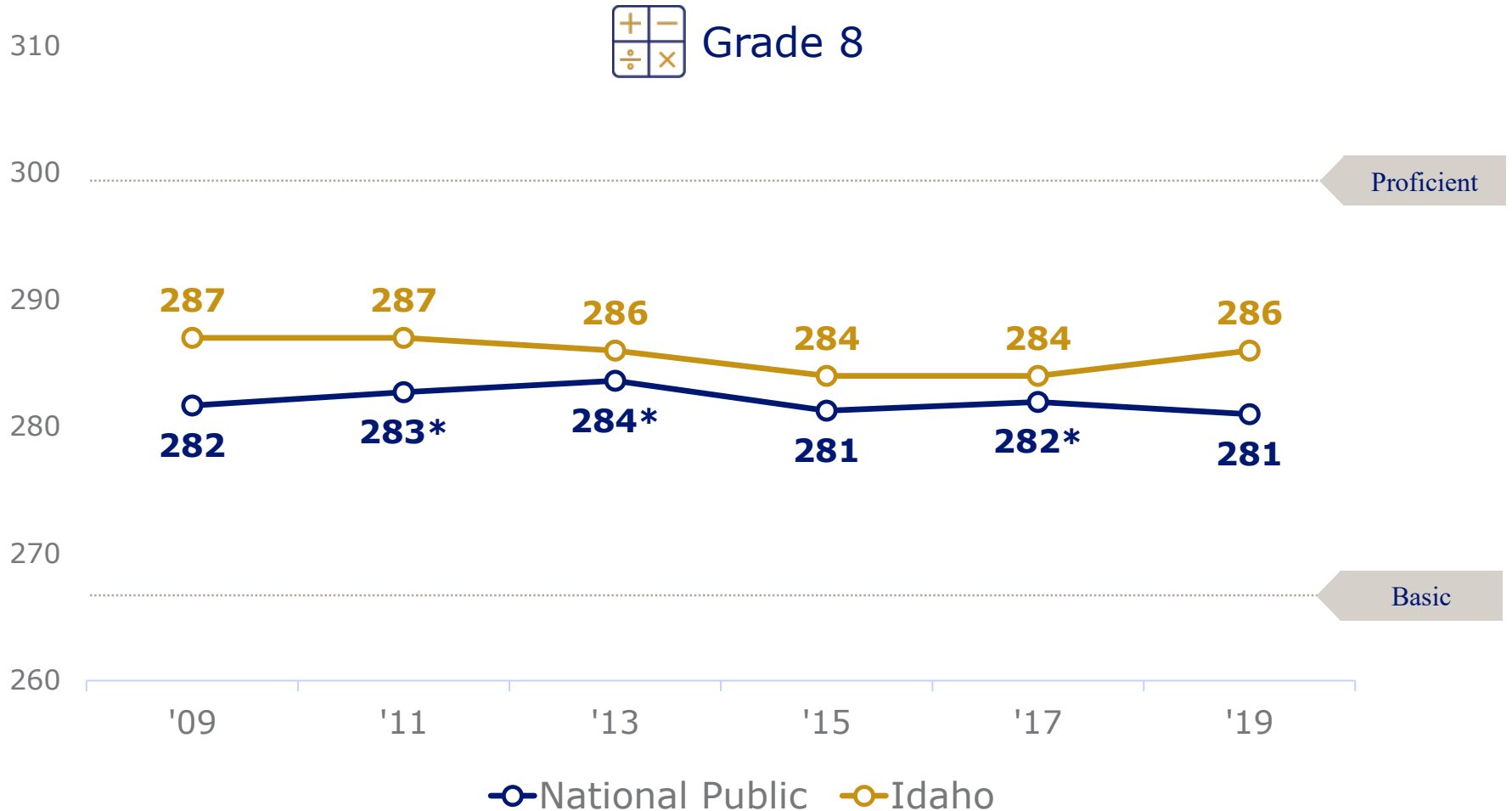
18

jurisdictions
not significantly
different

29

jurisdictions
significantly lower

Average Scale Scores Math Grade 8

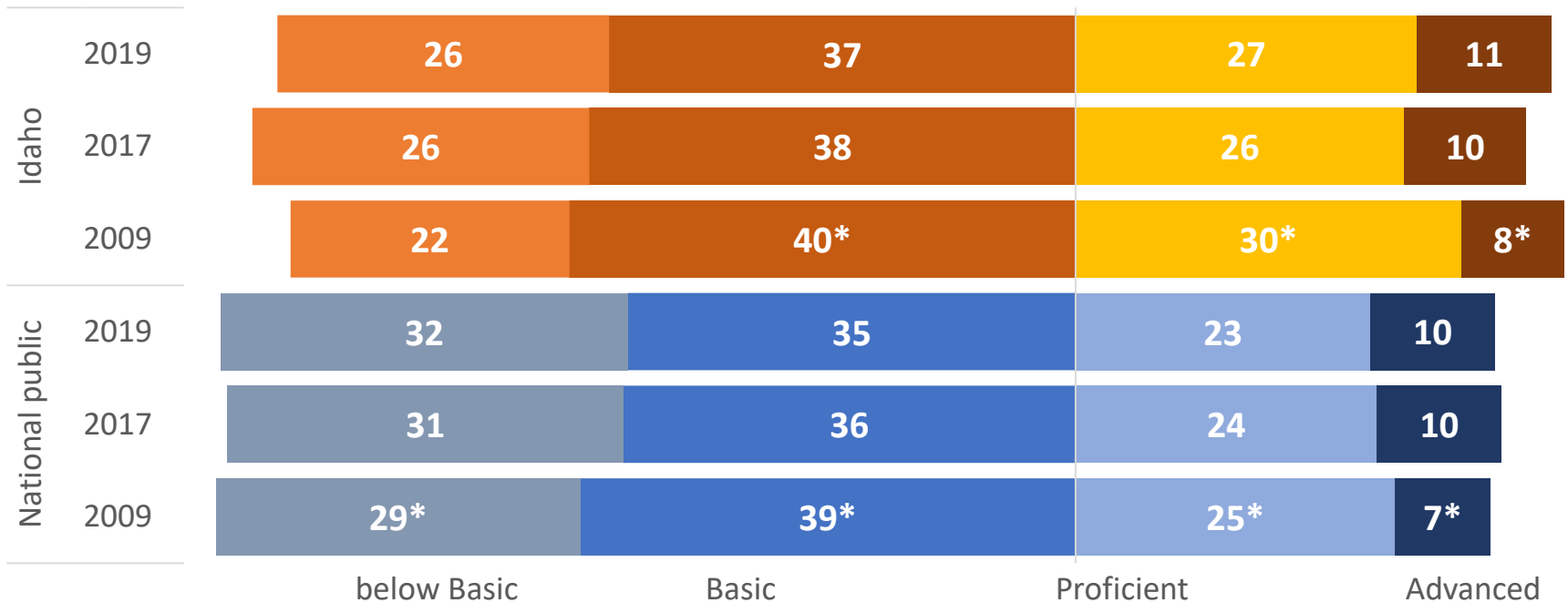


*Significantly different ($p < .05$) from 2019.

Achievement Level Percentages Math Grade 8



Percentage of students at each NAEP achievement level



*Significantly different ($p < .05$) from 2019.

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

Student Group Score Differences Math Grade 8



Grade 8 – Differences since 2009

Jurisdiction	All Students	Male	Female	Eligible for NSLP	Students with Disabilities	English language learners
Idaho	◆	◆	◆	↓4	◆	◆
National Public	◆	↓2	◆	◆	◆	◆

↑ Higher

↓ Lower

◆ No significant change

— Not available

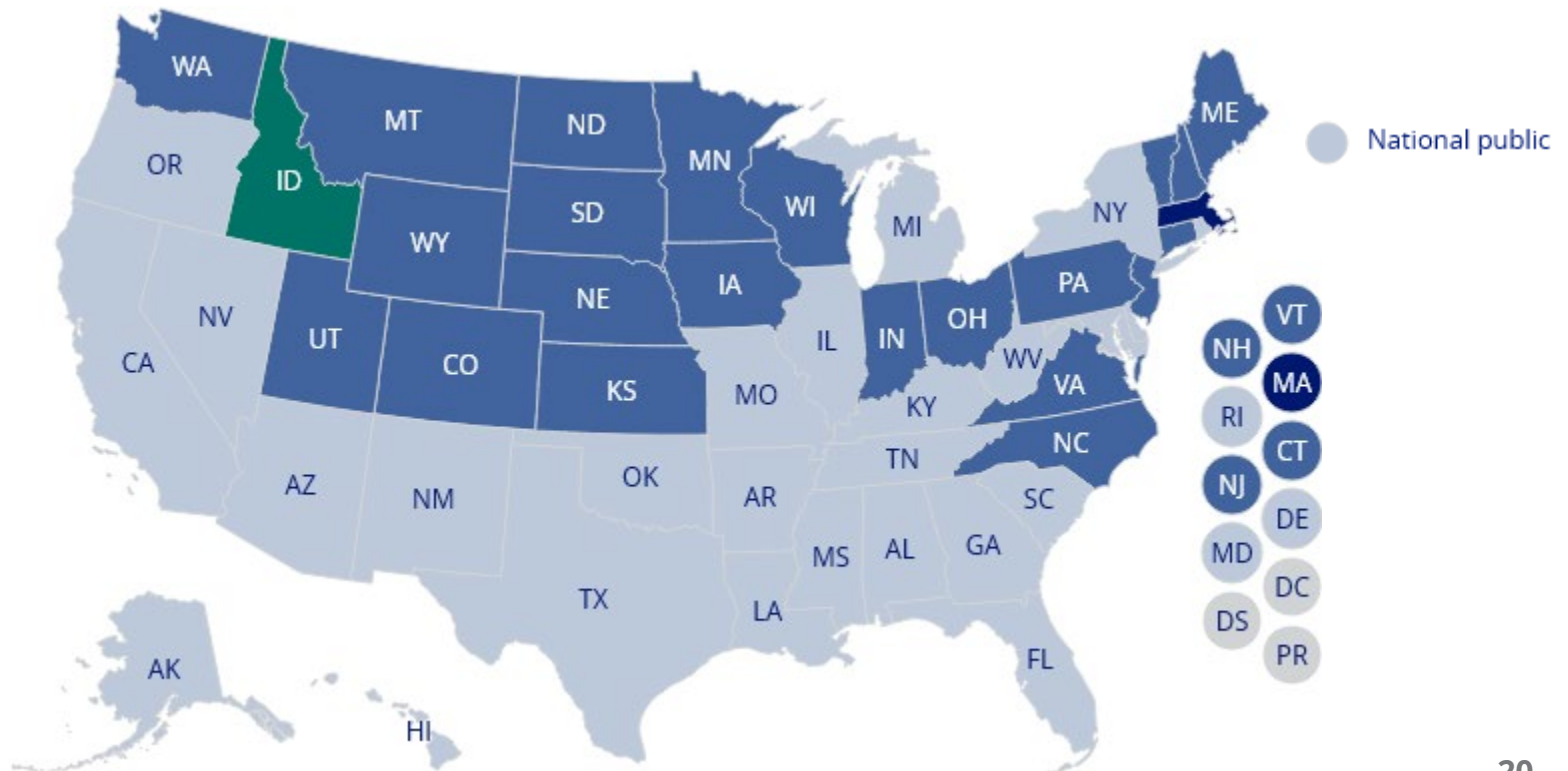
Jurisdiction	White	Black	Hispanic	Asian/ Pacific Islander	American Indian/ Alaska Native	Two or more races
Idaho	◆	—	◆	—	—	—
National Public	◆	◆	◆	↑9	◆	◆

Grade 8 | Mathematics | 2019

Achievement Levels – at or above *Basic*

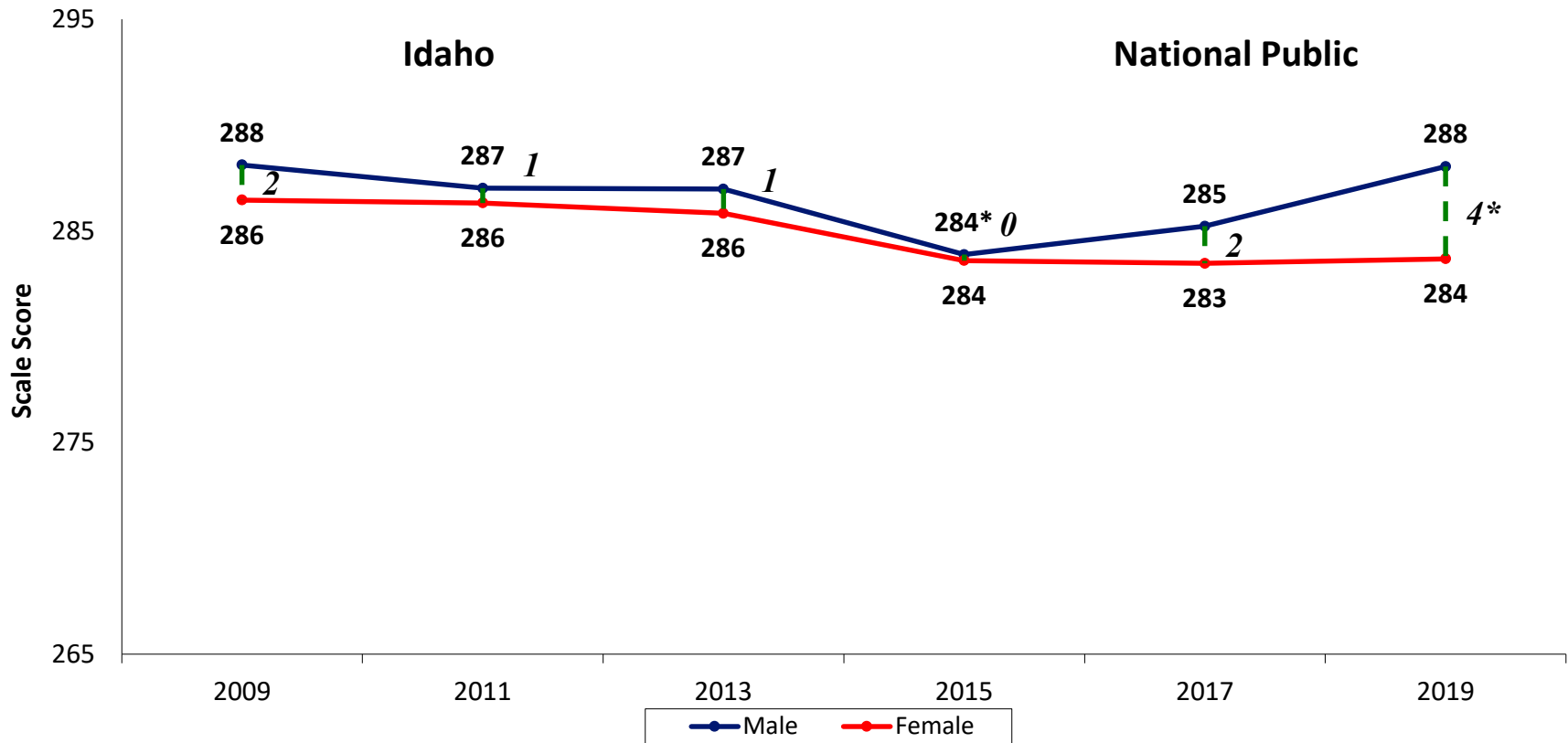
2019 Idaho percentage at or above *Basic*

ID 74%



Gap Analysis Math Grade 8

NAEP Mathematics Grade 8, Male-Female Gap

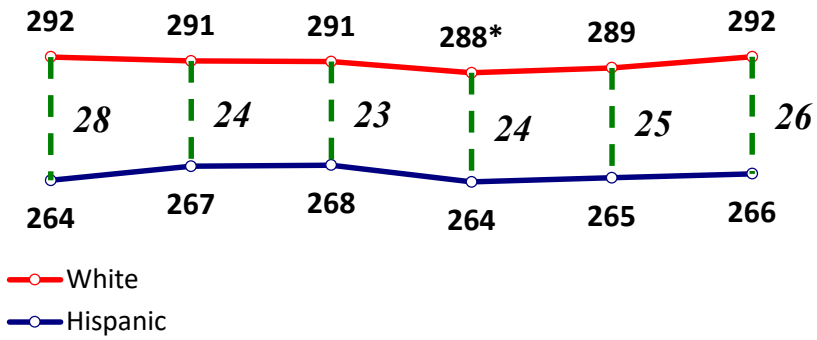


NOTE: The NAEP Mathematics scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

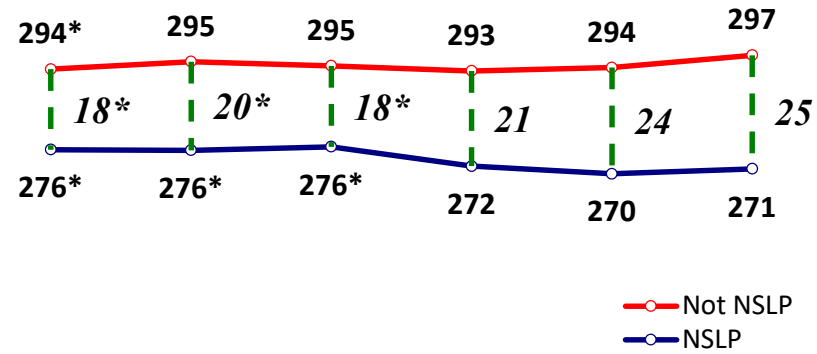
Gap Analyses Math Grade 8

all gaps are significant *gap different from 2019

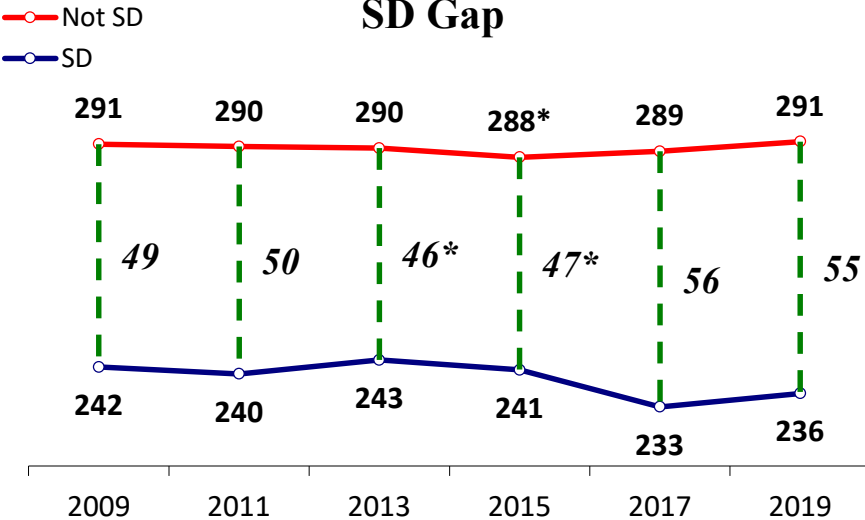
Hispanic White Gap



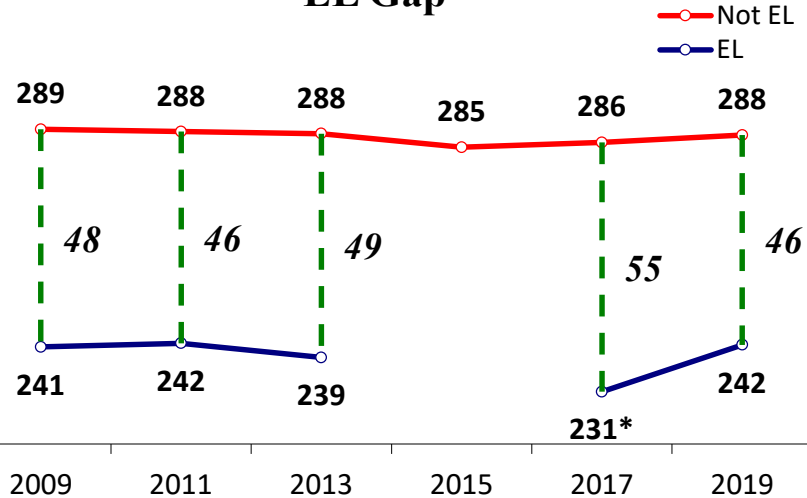
NSLP Gap



SD Gap



EL Gap



Grade 4 Reading Results



2019 Idaho average scale
score (0-500)

ID - 223

3

jurisdictions
significantly
higher

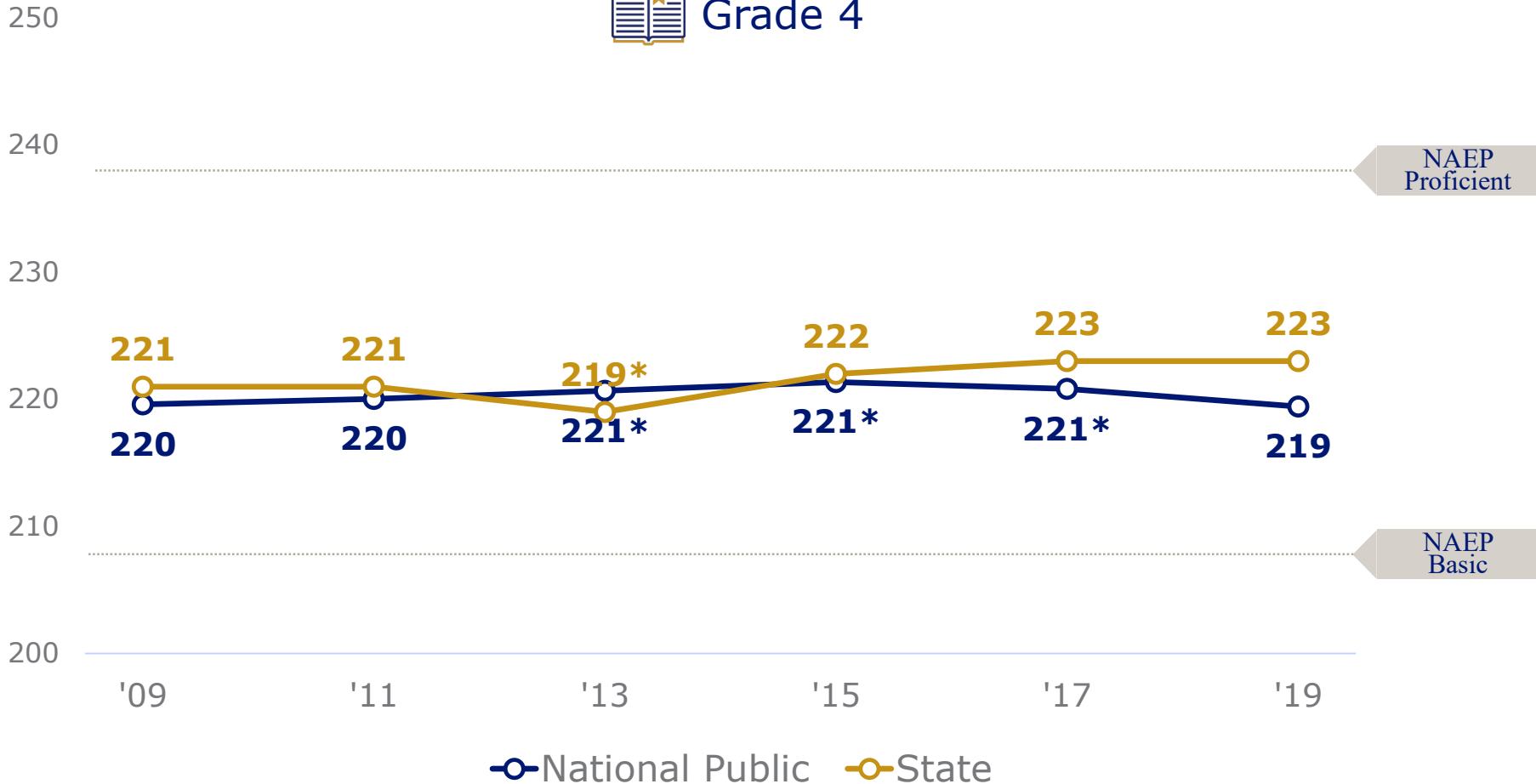
26

jurisdictions
not significantly
different

21

jurisdictions
significantly lower

Average Scale Scores Reading Grade 4



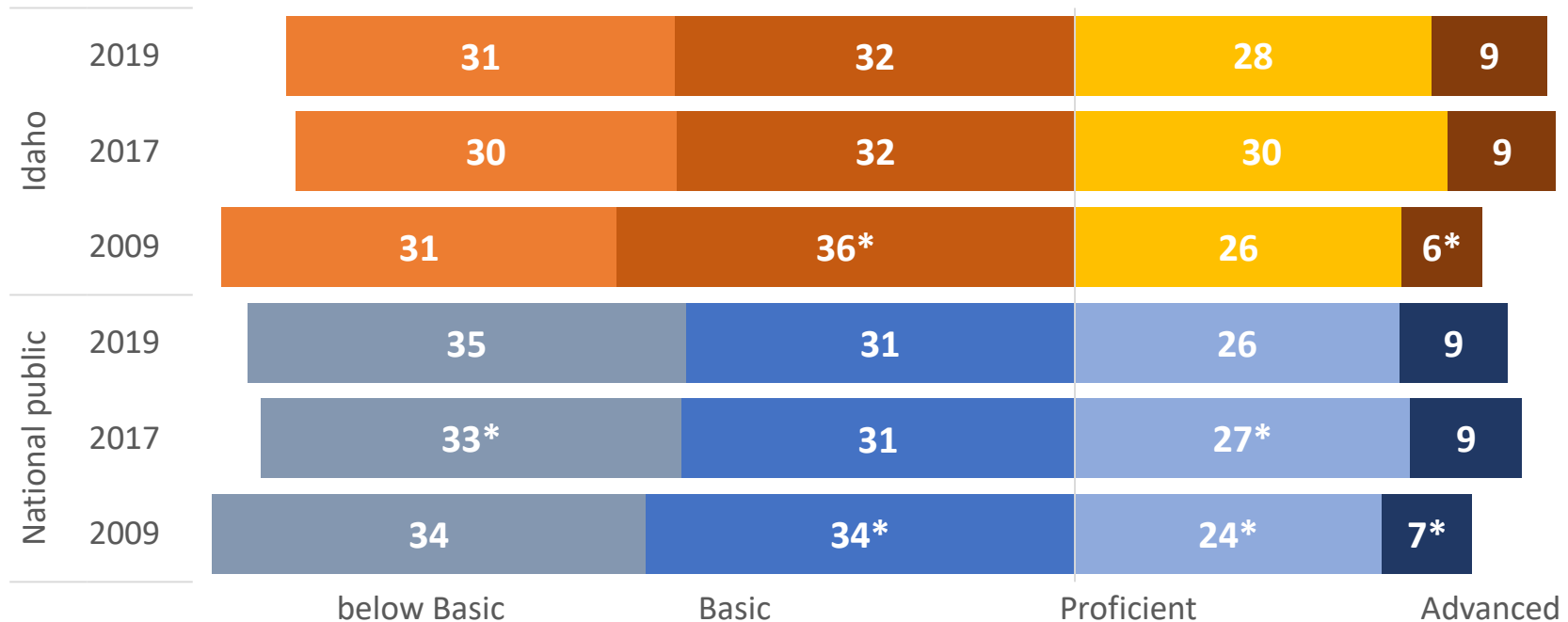
*Significantly different ($p < .05$) from 2019.

Achievement Level Percentages Reading Grade 4



Grade 4

Percentage of students at each NAEP achievement level



*Significantly different ($p < .05$) from 2019.

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

Student Group Score Differences Reading Grade 4

 Grade 4 – Differences since 2009

Jurisdiction	All Students	Male	Female	Eligible for NSLP	Students with Disabilities	English language learners
Idaho	◆	◆	◆	◆	◆	↑15
National Public	◆	◆	◆	◆	↓6	↑3

↑ Higher

↓ Lower

◆ No significant change

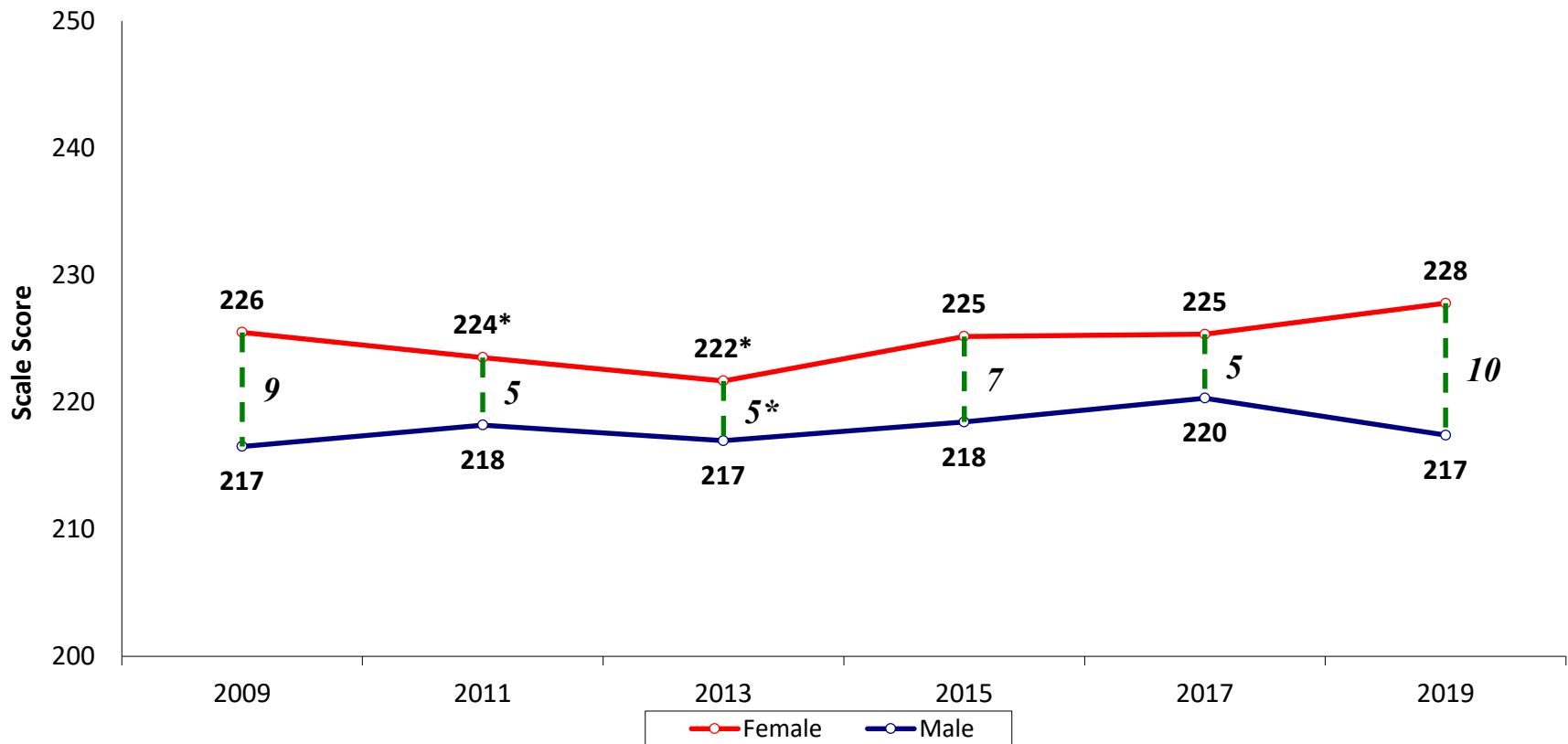
— Not available

Jurisdiction	White	Black	Hispanic	Asian/ Pacific Islander	American Indian/ Alaska Native	Two or more races
Idaho	◆	—	◆	—	—	—
National Public	◆	◆	↑4	◆	◆	◆

Gap Analysis, Reading Grade 4

all gaps are significant *gap different from 2019

NAEP Reading Grade 4, Female Male Gap

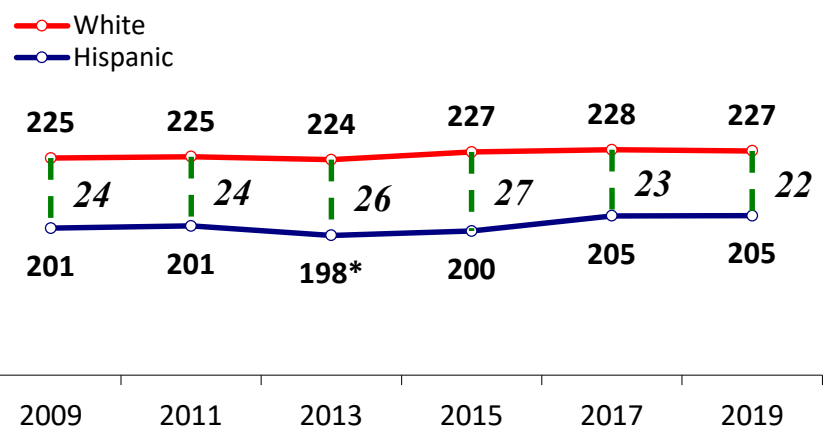


NOTE: The NAEP Reading scale ranges from 0 to 500. Observed differences are not necessarily statistically significant.
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP).

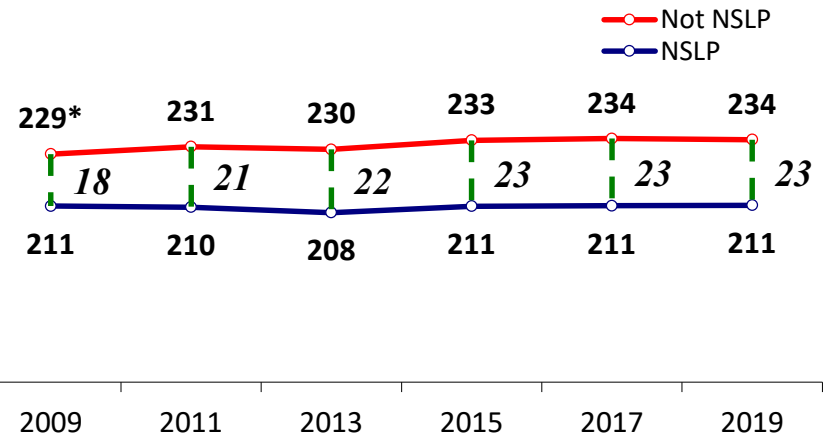
Gap Analyses, Reading Grade 4

all gaps are significant *different from 2019

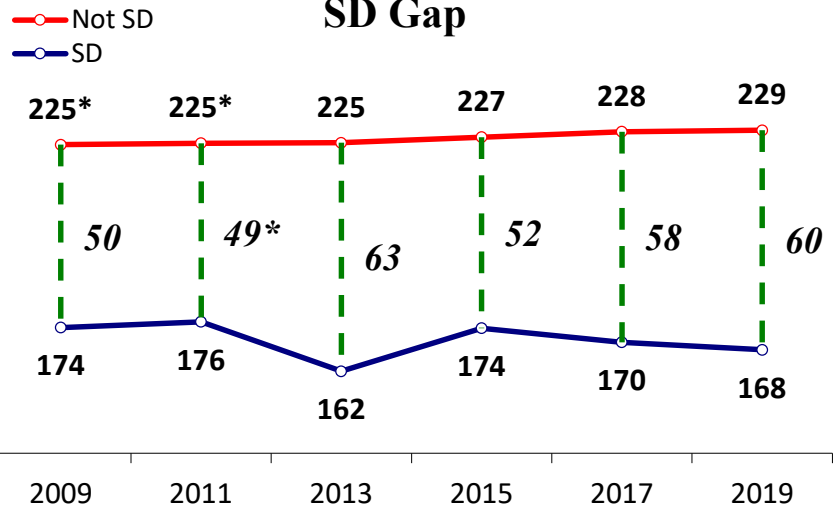
Hispanic White Gap



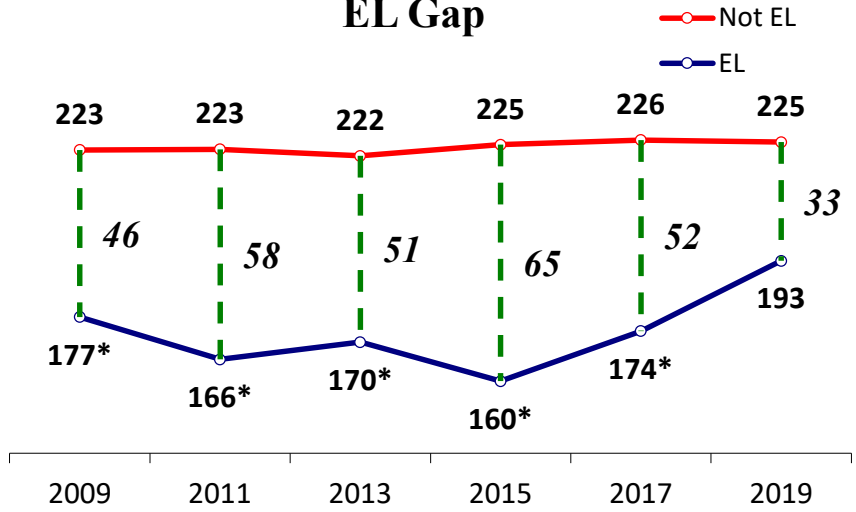
NSLP Gap



SD Gap



EL Gap



Grade 8 Reading Results



2019 Idaho average scale score (0-500)

ID - 266

2

jurisdictions significantly higher

19

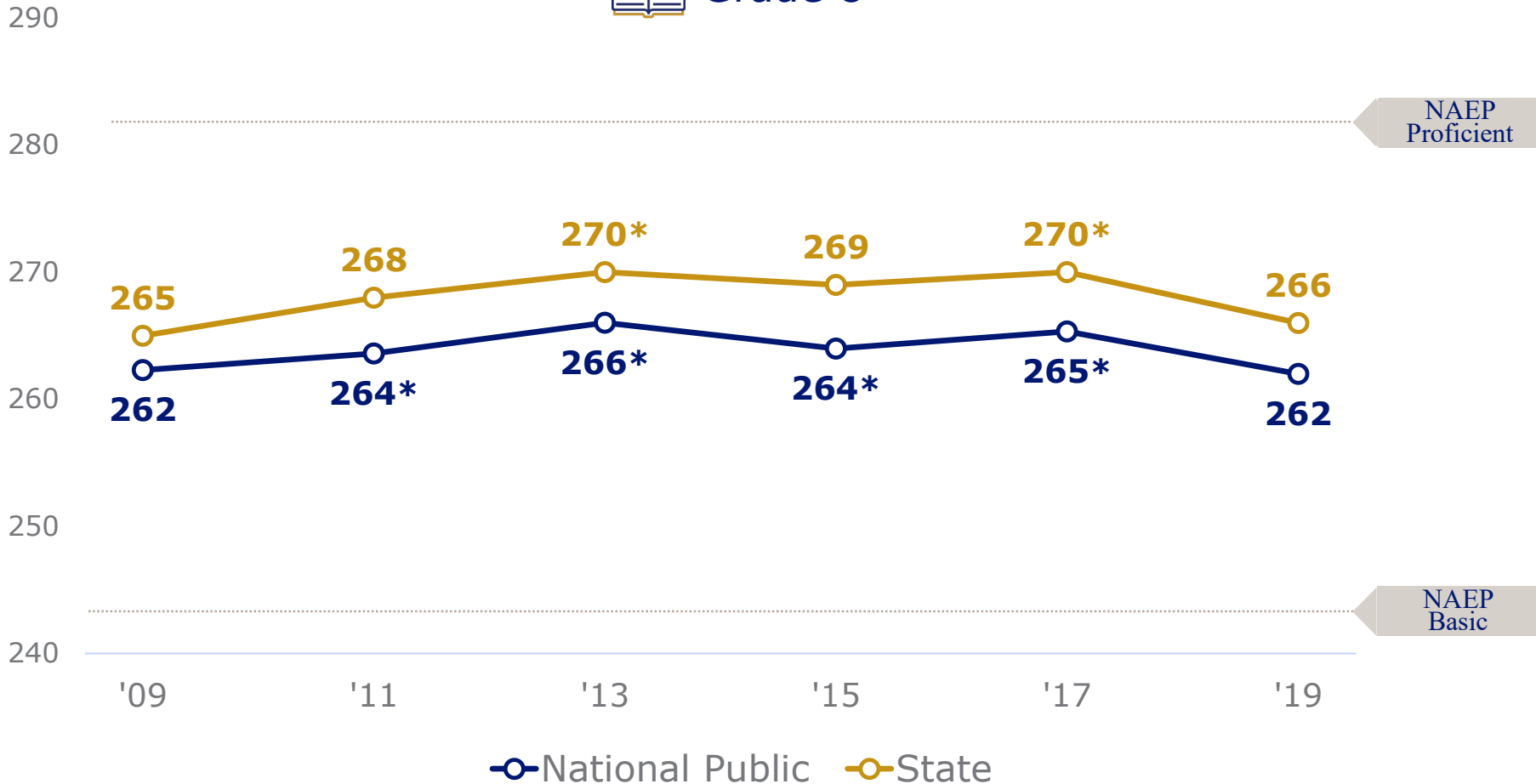
jurisdictions not significantly different

29

jurisdictions significantly lower

Average Scale Score Reading Grade 8

 Grade 8



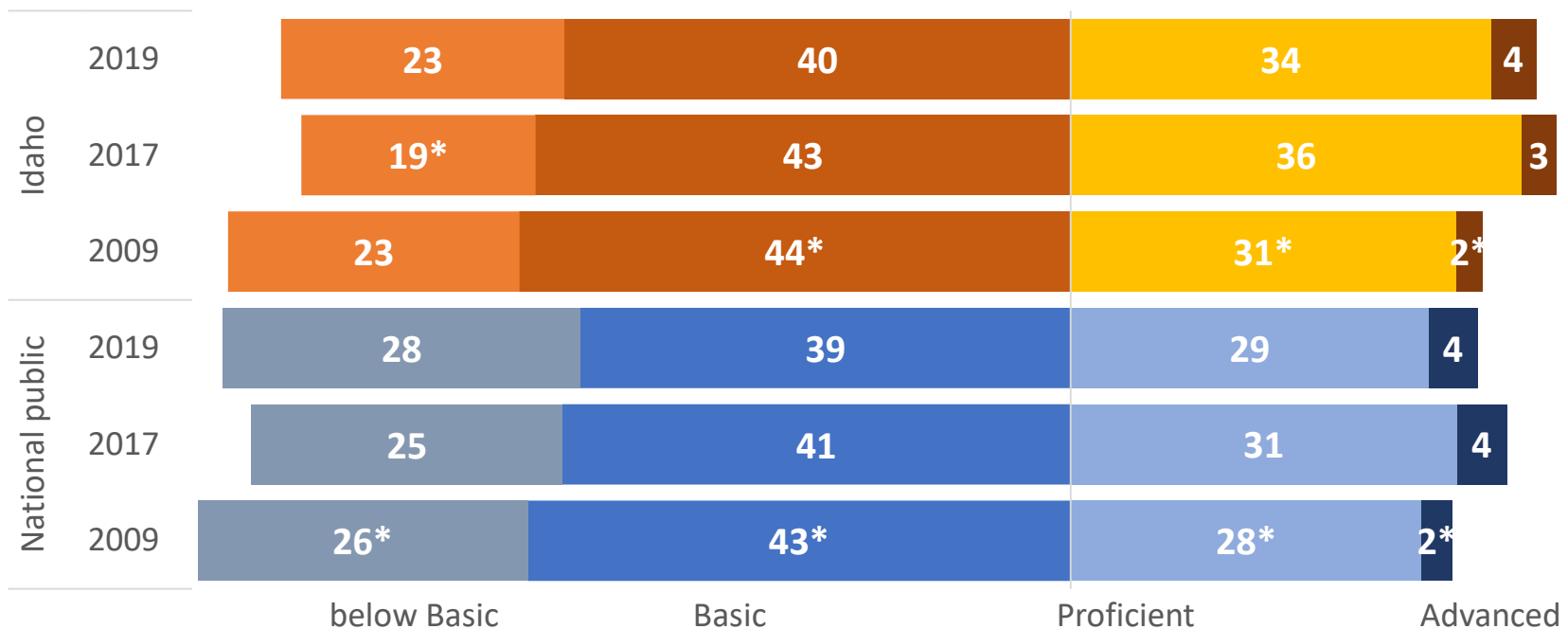
*Significantly different (p < .05) from 2019.

Achievement Level Percentages Reading Grade 8



Grade 8

Percentage of students at each NAEP achievement level



*Significantly different ($p < .05$) from 2019.

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

Student Group Score Differences Reading Grade 8

 Grade 8 – Differences since 2007

Jurisdiction	All Students	Male	Female	Eligible for NSLP	Students with Disabilities	English language learners
Idaho	◆	◆	◆	◆	◆	◆
National Public	◆	◆	◆	◆	◆	◆

↑ Higher

↓ Lower

◆ No significant change

— Not available

Jurisdiction	White	Black	Hispanic	Asian/ Pacific Islander	American Indian/ Alaska Native	Two or more races
Idaho	◆	—	↑8	—	—	—
National Public	◆	◆	↑3	↑8	◆	◆

Grade 8 | Reading | 2019

Achievement Levels – at or above *Basic*

2019 Idaho percentage at or above *Basic*

ID 77%

1

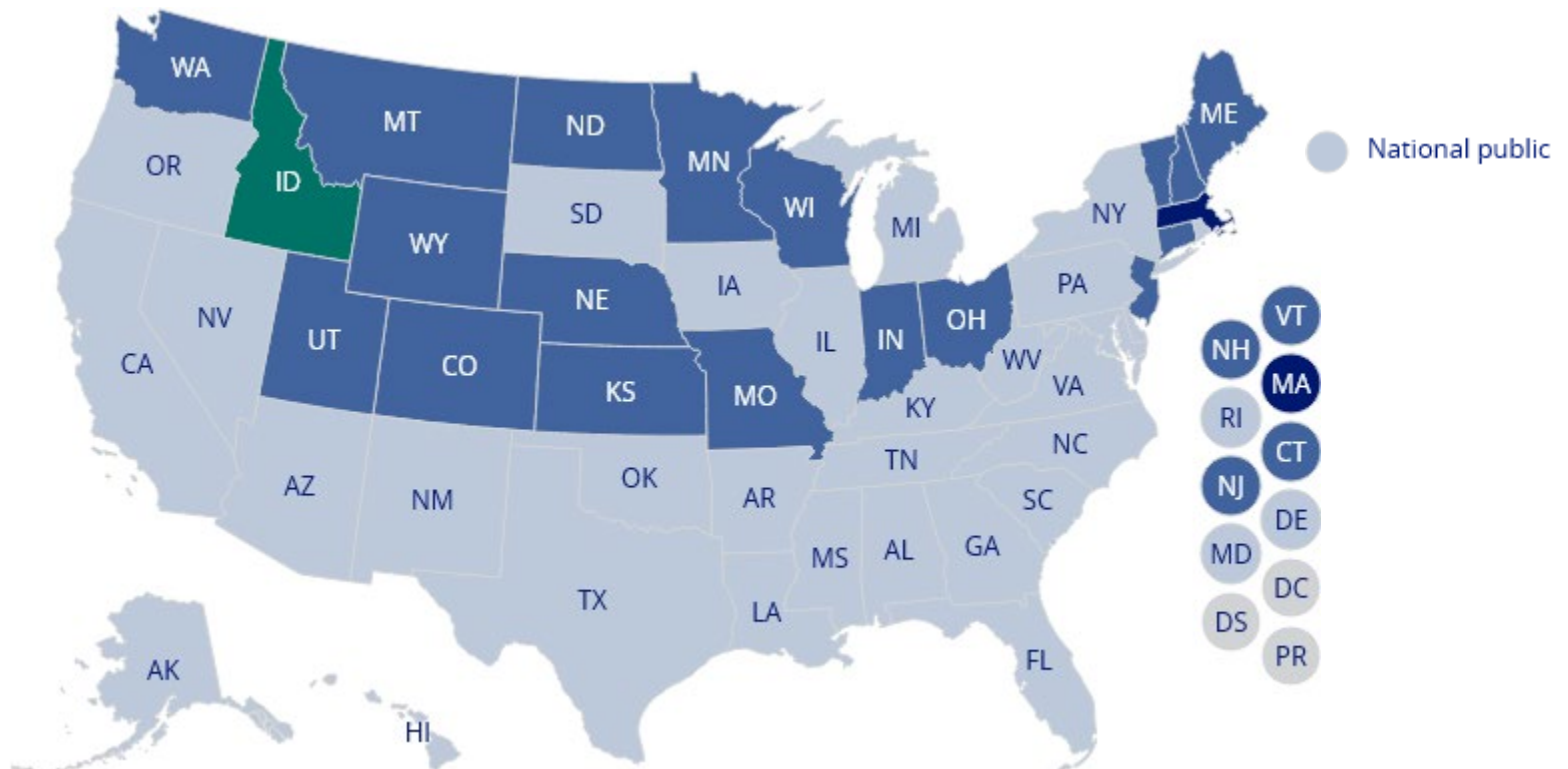
jurisdictions significantly higher

18

jurisdictions not significantly different

31

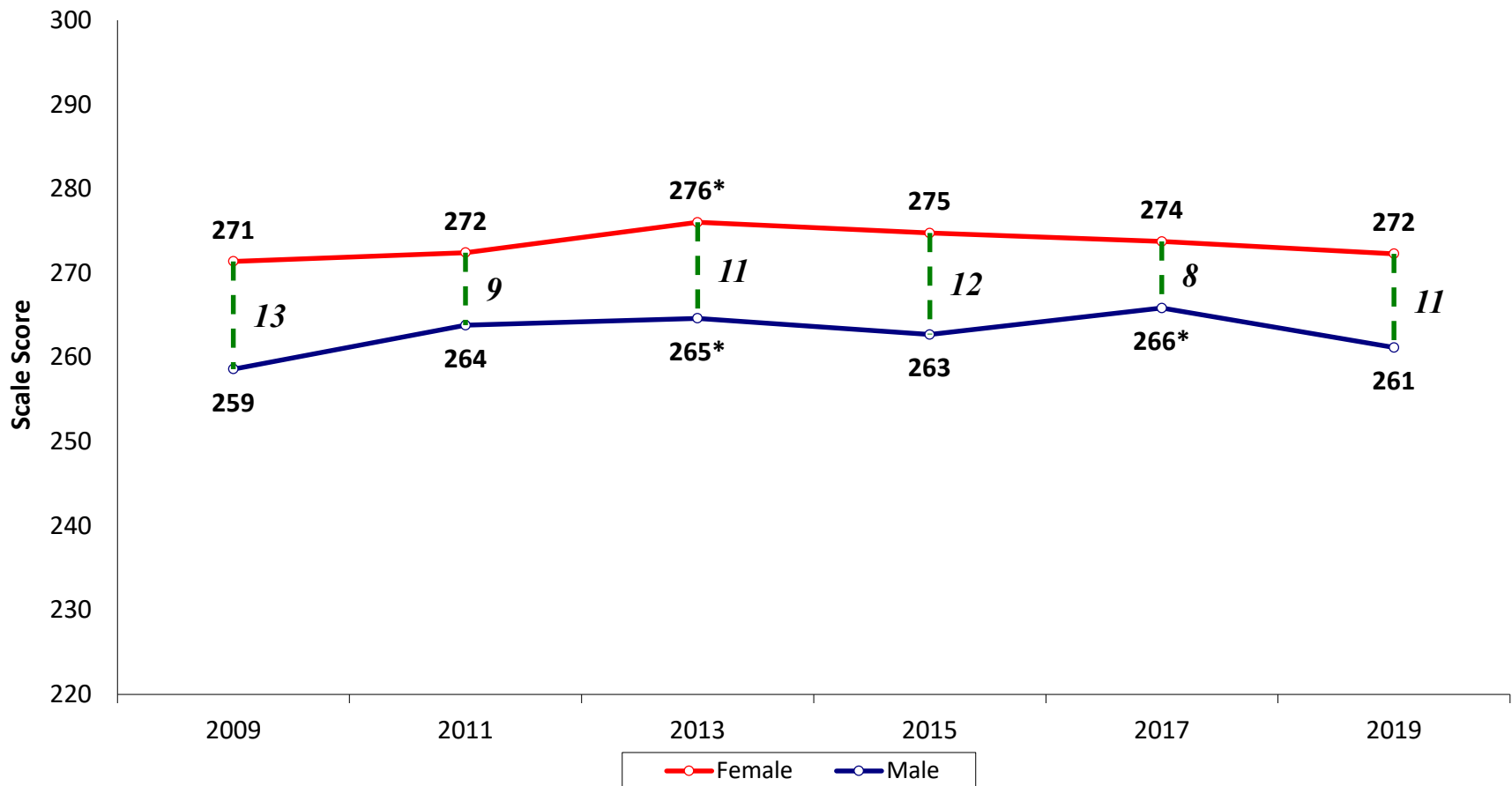
jurisdictions significantly lower



Gap Analysis, Reading Grade 8

all gaps are significant *different from 2019

NAEP Reading Grade 8, Female Male Gap



NOTE: The NAEP Reading 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 for Education Statistics, National Assessment of Educational Progress (NAEP).

Gap Analyses, Reading Grade 8

all gaps are significant *different from 2019

