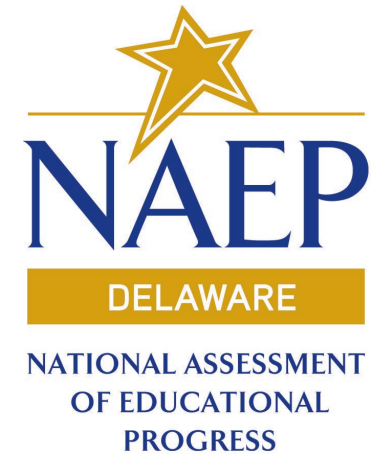

NAEP 2022 Mathematics and Reading Results

Fran M. Purnell,
Delaware NAEP Coordinator



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”
 - www.nationsreportcard.gov
-



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

National Public Sample Size

- Representative samples of schools and students

<div><div><div><div><div>+</div><div>−</div></div><div><div>÷</div><div>×</div></div></div></div>Mathematics</div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> Reading

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

Delaware Sample Size

- Representative sample of Delaware students

<div><div><div><div><div>+</div><div>−</div></div><div><div>÷</div><div>×</div></div></div></div>Mathematics</div> <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div> Reading

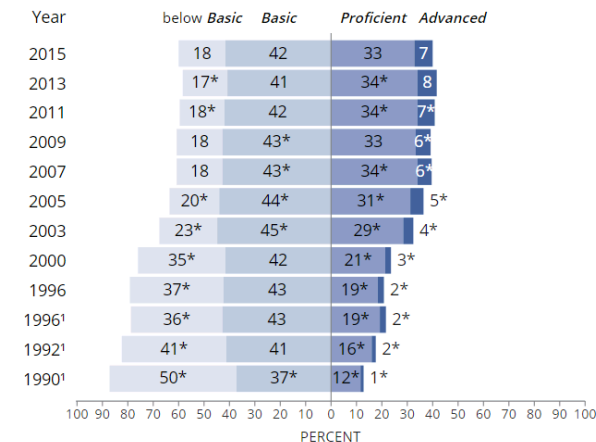
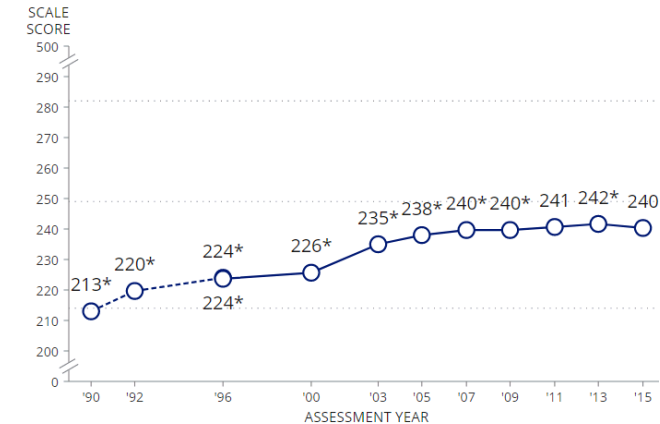
NOTE: Student sample sizes rounded to the nearest hundred. School sample sizes rounded to the nearest ten.

NAEP Administration

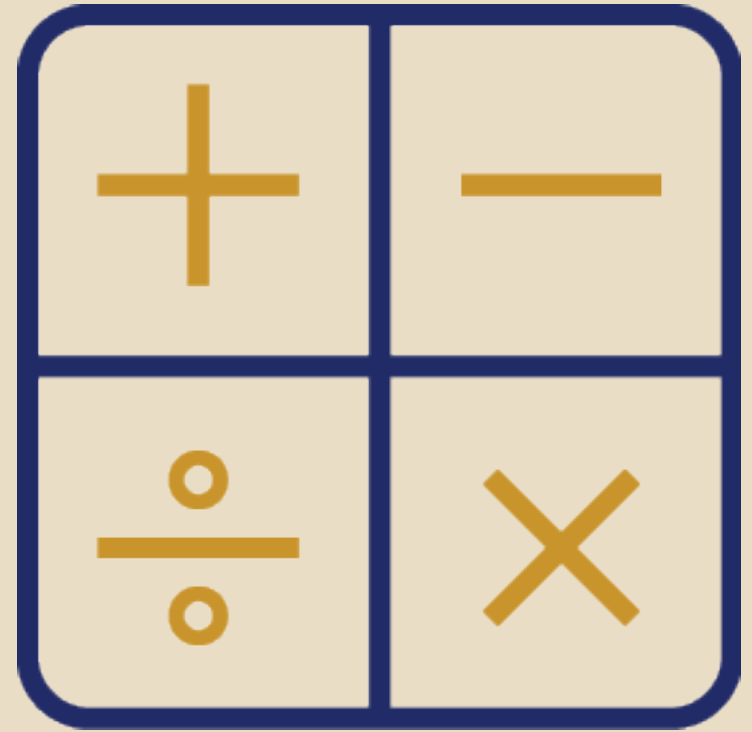
- January to March 2022
 - Administered as a digitally based assessment on tablets
 - Each student assessed in one subject
 - Students take a small portion of the item pool
 - Accommodations provided as necessary for
 - Students with disabilities
 - English learners
-

NAEP Results

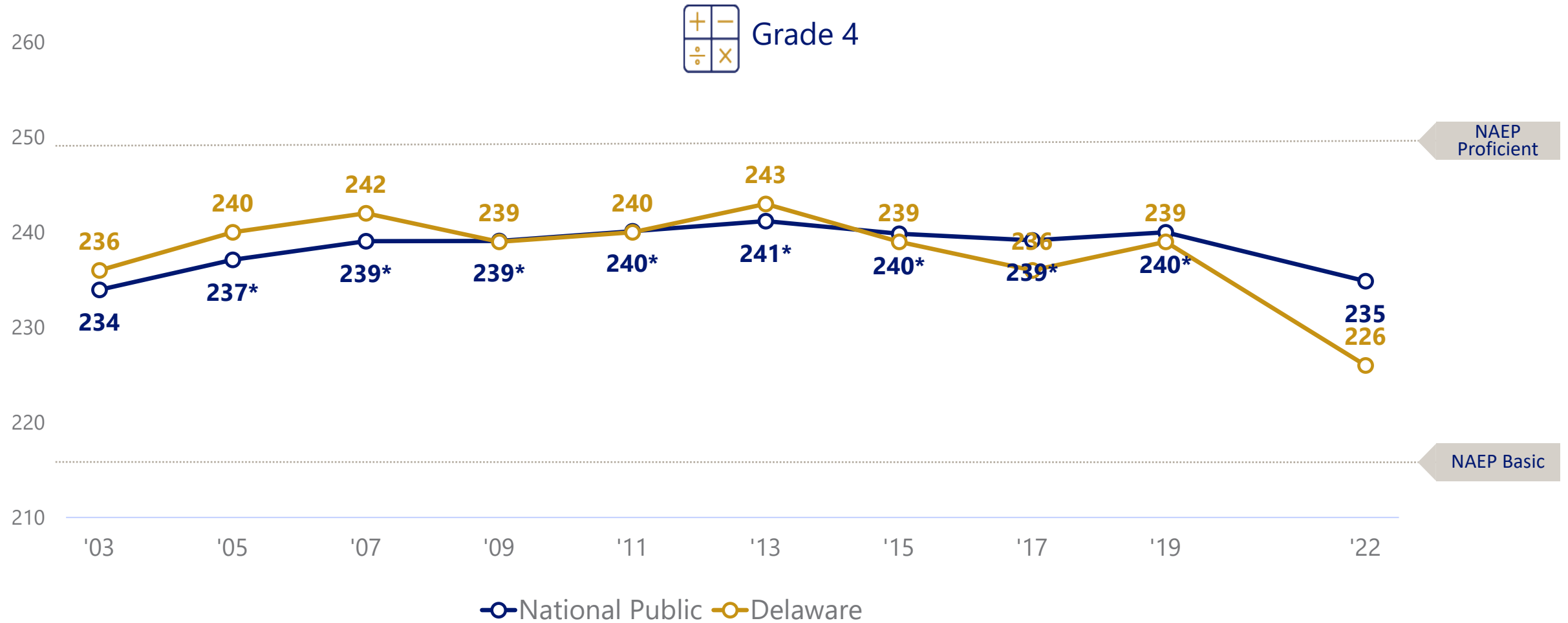
- Scale Scores
 - 0 – 500 on mathematics and reading assessments
 - Cannot be compared across grade levels or content areas
- Achievement Levels
 - Below NAEP Basic
 - NAEP Basic
 - NAEP Proficient
 - NAEP Advanced



Grade 4 Mathematics Results

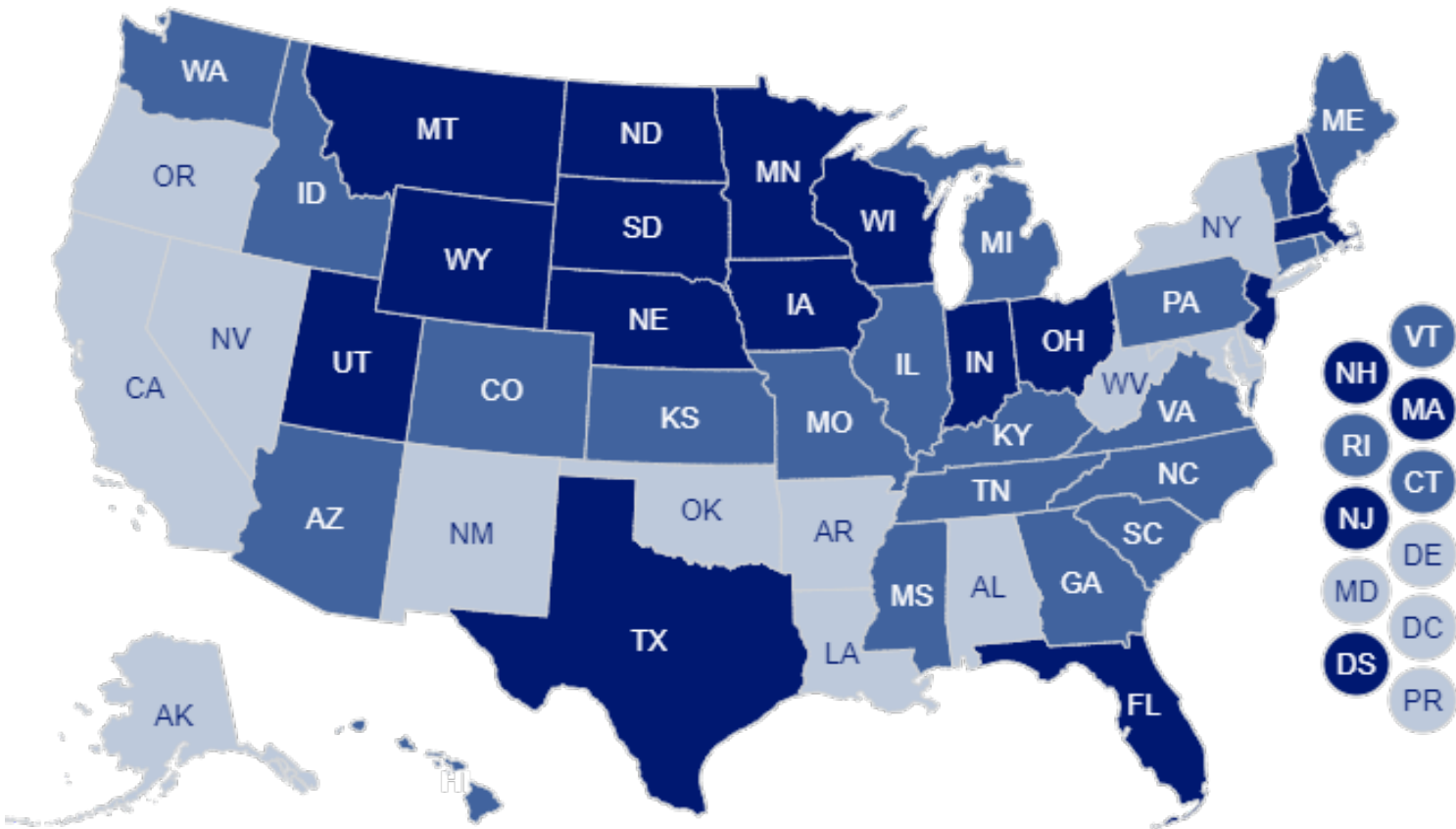


Average Scale Scores



*Significantly different ($p < .05$) from 2022.

State Comparisons to National Average



2022 National public average scale score
(0–500)

235

17

jurisdictions significantly higher

21

jurisdictions not significantly different

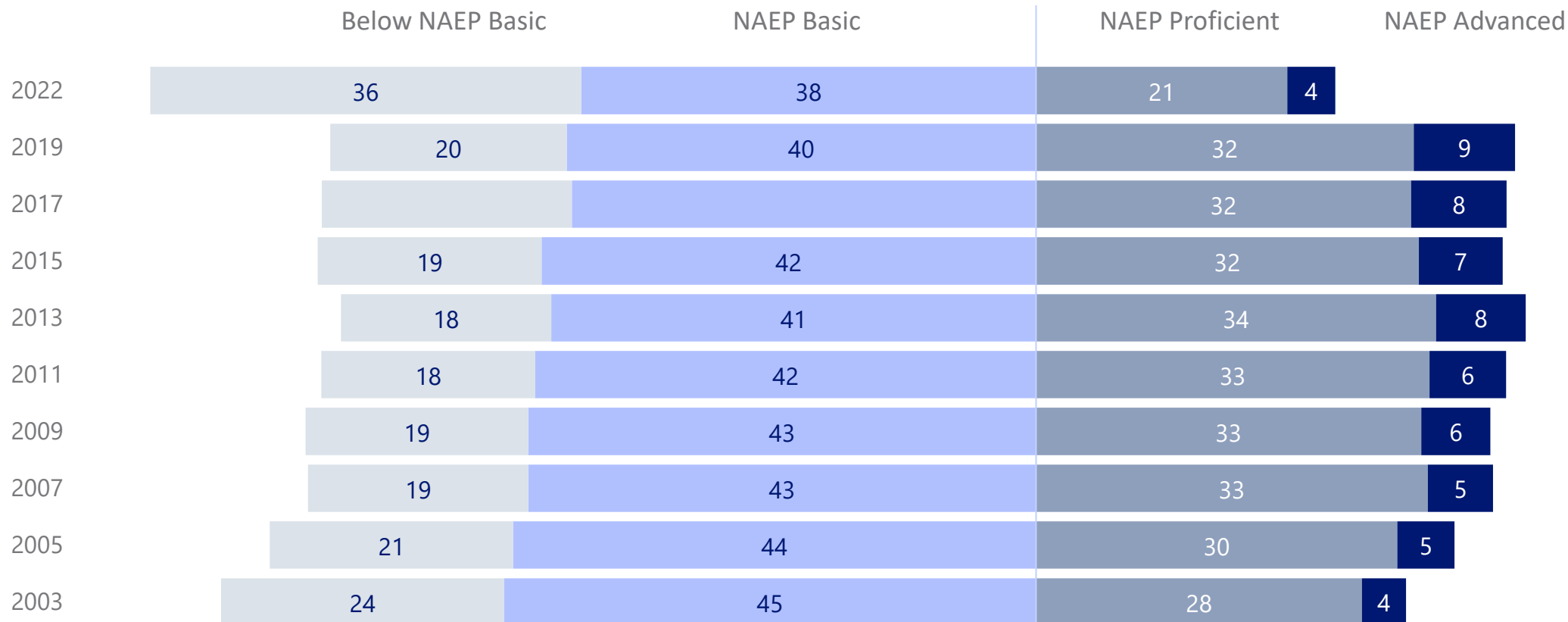
15

jurisdictions significantly lower

Achievement Level Percentages



Grade 4



*Significantly different ($p < .05$) from 2022. NOTE: Detail may not sum to totals because of rounding.

Student Group Score Differences



Grade 4 – Differences since 2019

	All Students	Male	Female	Eligible for NSLP	Students with Disabilities*	English Learners
DELAWARE	↓13	↓14	↓14	↓17	↓9	↓16
National Public	↓5	↓4	↓6	↓6	◆	↓4

↑ Higher

↓ Lower

◆ No significant change

— Not available

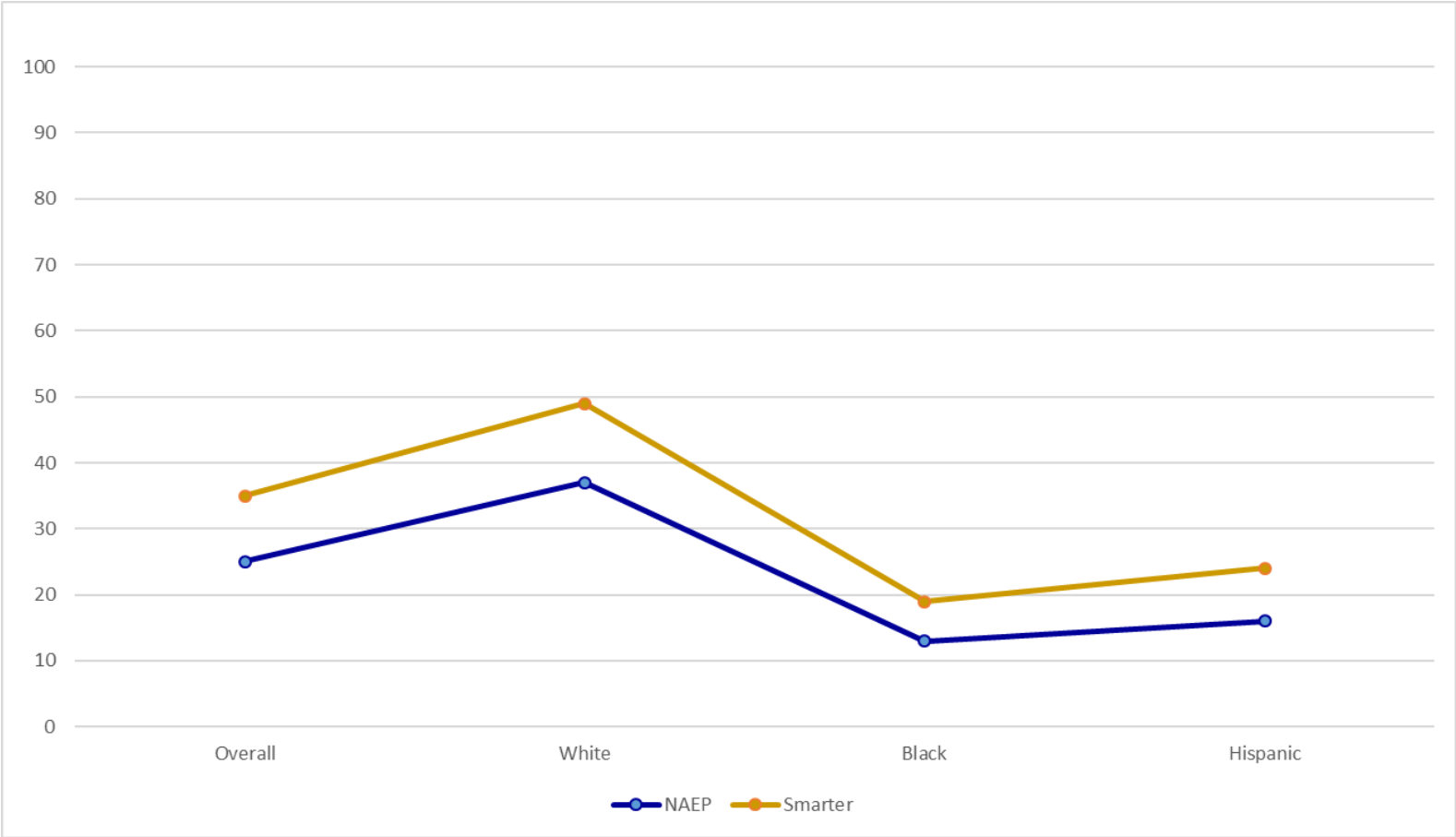
	White	Black	Hispanic	Asian/ Pacific Islander	American Indian/ Alaska Native	Two or more races
DELAWARE	↓14	↓13	↓14	↓15	—	↓12
National Public	↓4	↓7	↓7	↓4	↓8	↓5

*Students with disabilities including those with a 504 plan.

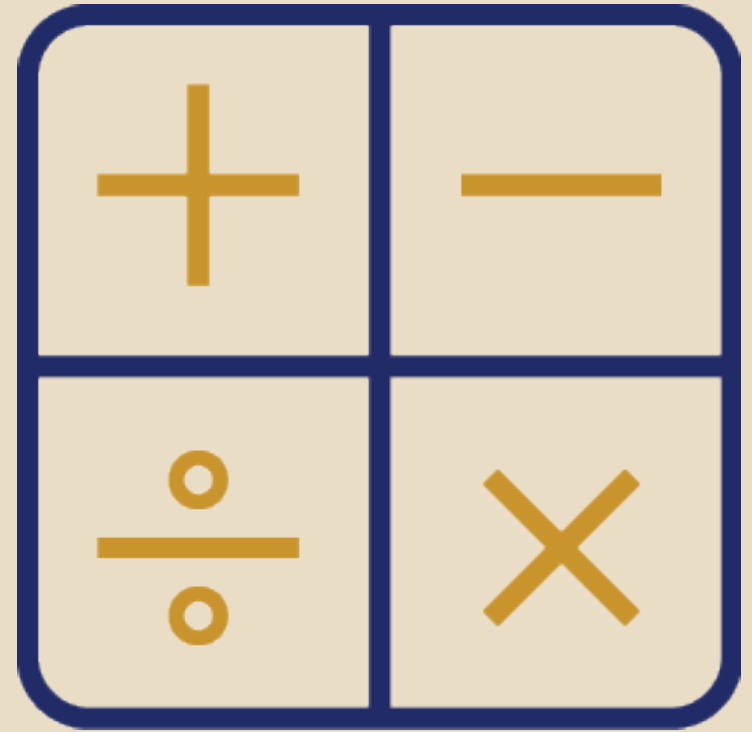
Smarter Proficiency Level Comparison



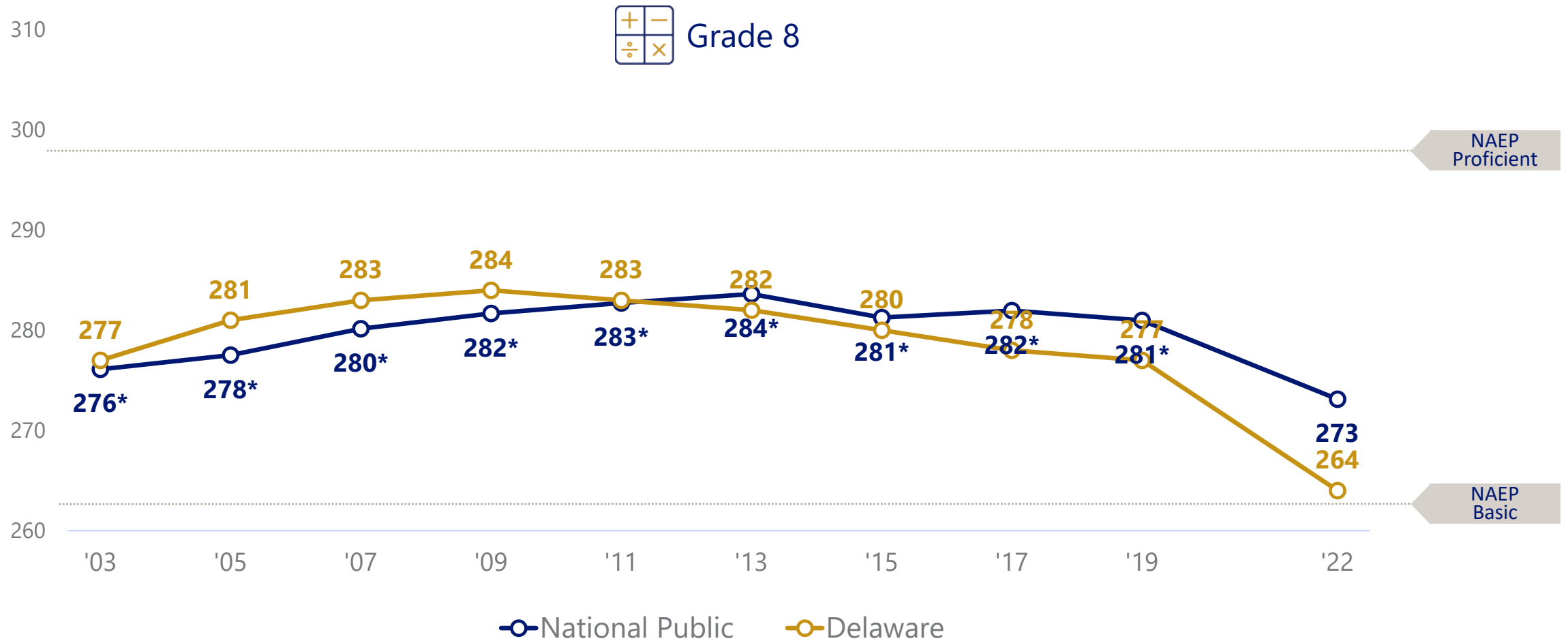
Grade 4



Grade 8 Mathematics Results

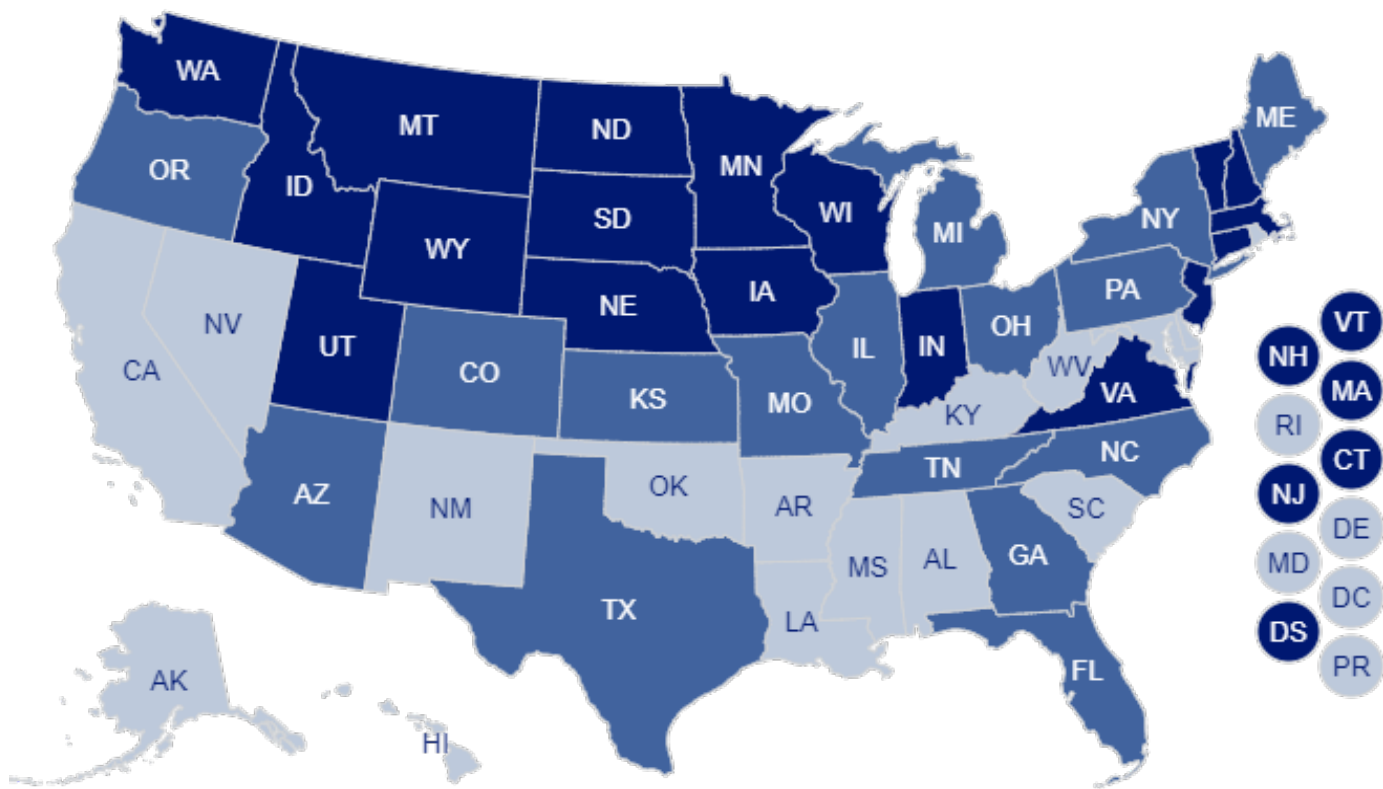


Average Scale Scores



*Significantly different ($p < .05$) from 2022.

State Comparisons to National Average



2022 National public average scale score
(0–500)

273

19

jurisdictions significantly higher

16

jurisdictions not significantly different

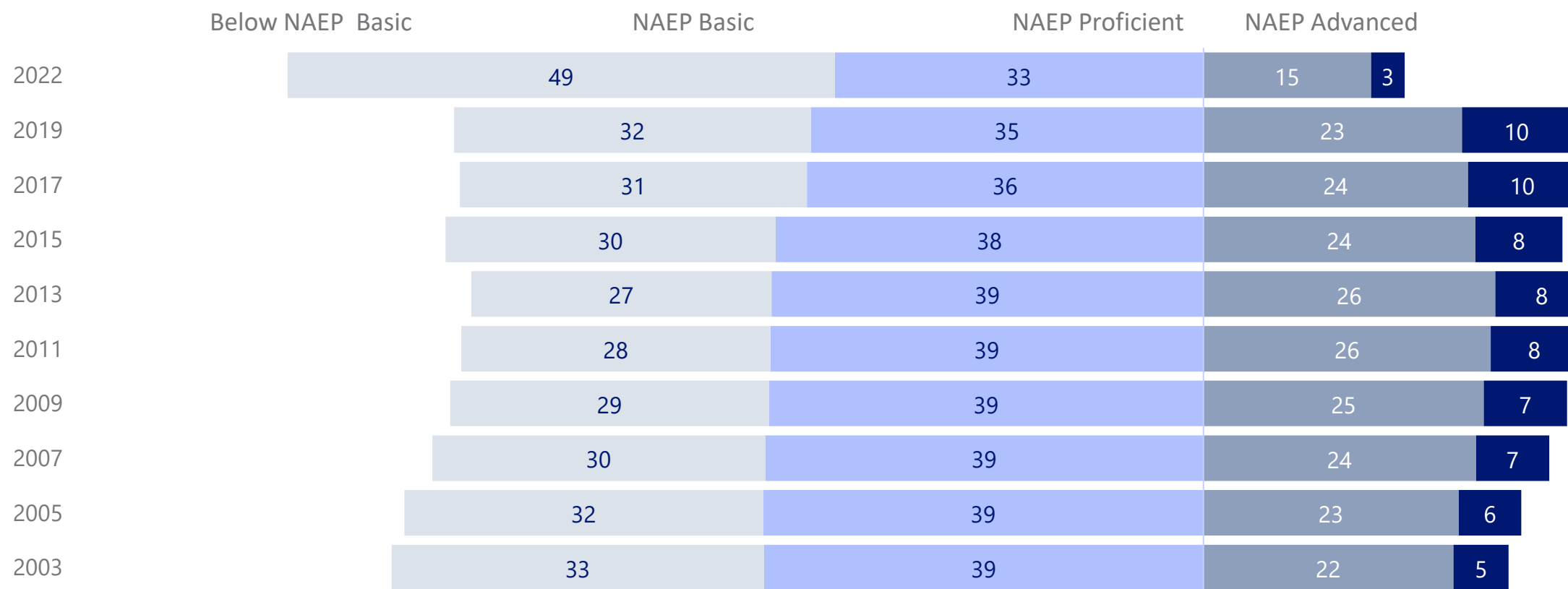
18

jurisdictions significantly lower

Achievement Level Percentages



Grade 8



*Significantly different ($p < .05$) from 2022. NOTE: Detail may not sum to totals because of rounding.

Student Group Score Differences



Grade 8 – Differences since 2019

	All Students	Male	Female	Eligible for NSLP	Students with Disabilities*	English Learners
DELAWARE	↓13	↓11	↓14	↓14	↓4	◆
National Public	↓8	↓6	↓10	↓7	↓4	◆

↑ Higher

↓ Lower

◆ No significant change

— Not available

	White	Black	Hispanic	Asian/ Pacific Islander	American Indian/ Alaska Native	Two or more races
DELAWARE	↓9	↓14	↓9	*	—	↓14
National Public	↓8	↓7	↓7	↓5	↓6	↓10

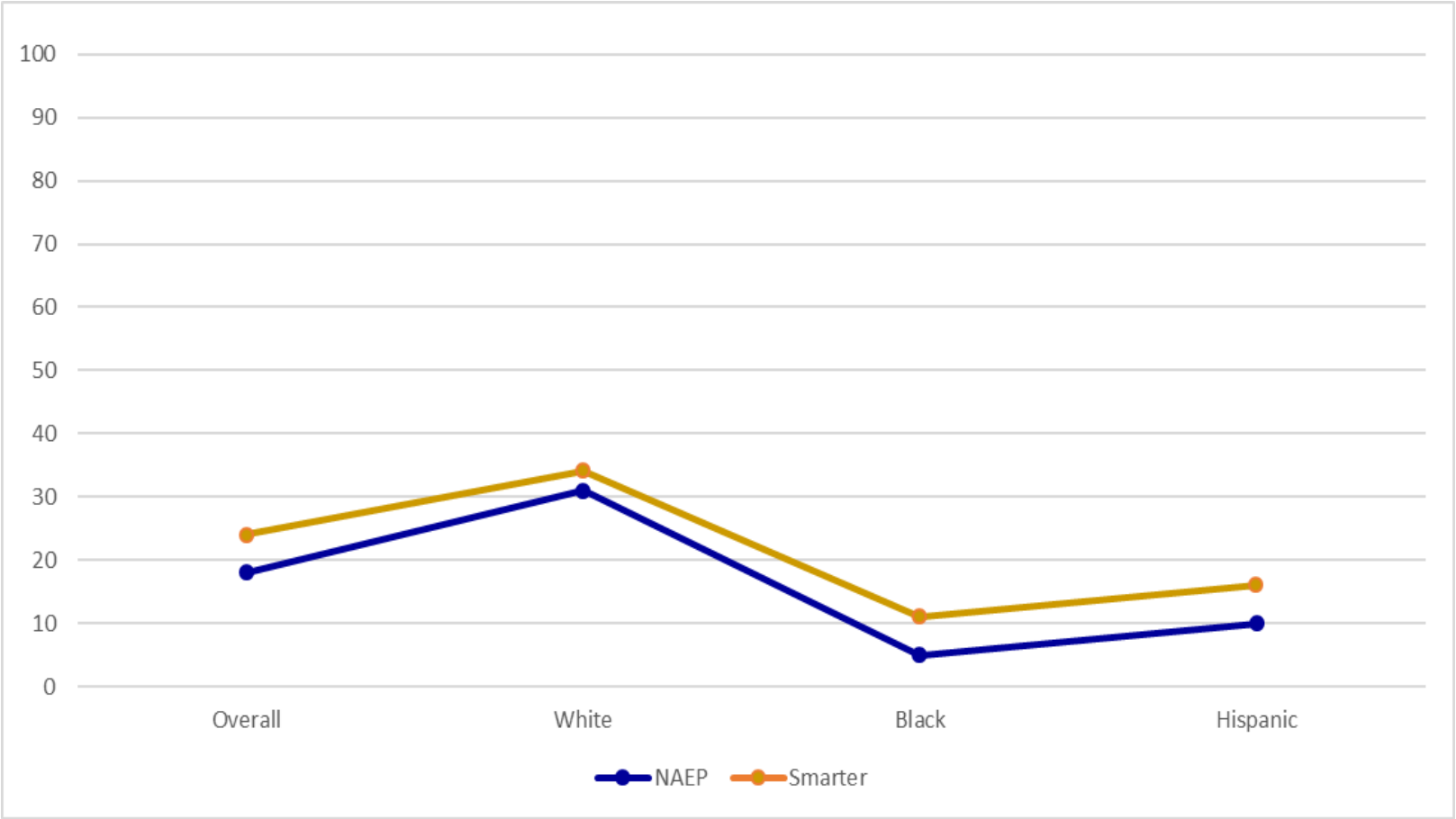
Students with disabilities including those with a 504 plan.

* Sample size did not meet N count needed to display (scores are included in calculations)

Smarter Proficiency Level Comparison



Grade 8



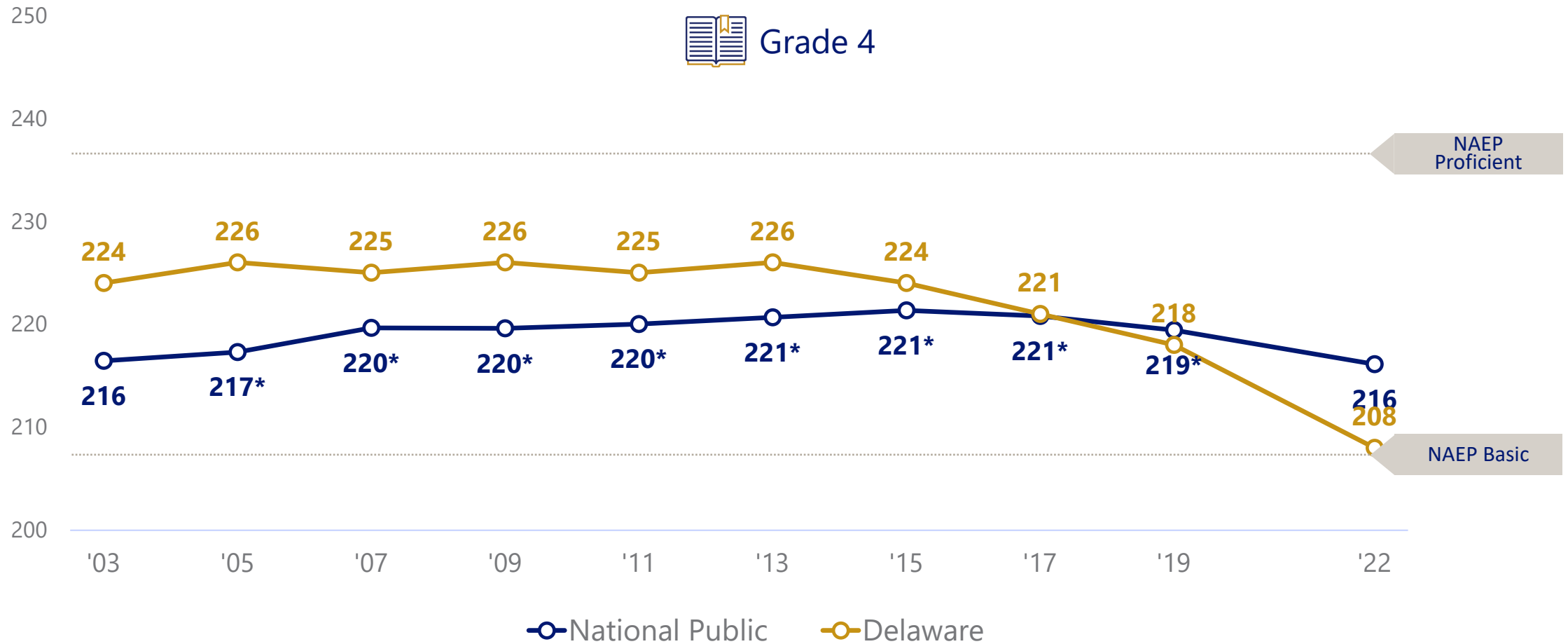
Grade 4 Reading Results



Average Scale Scores

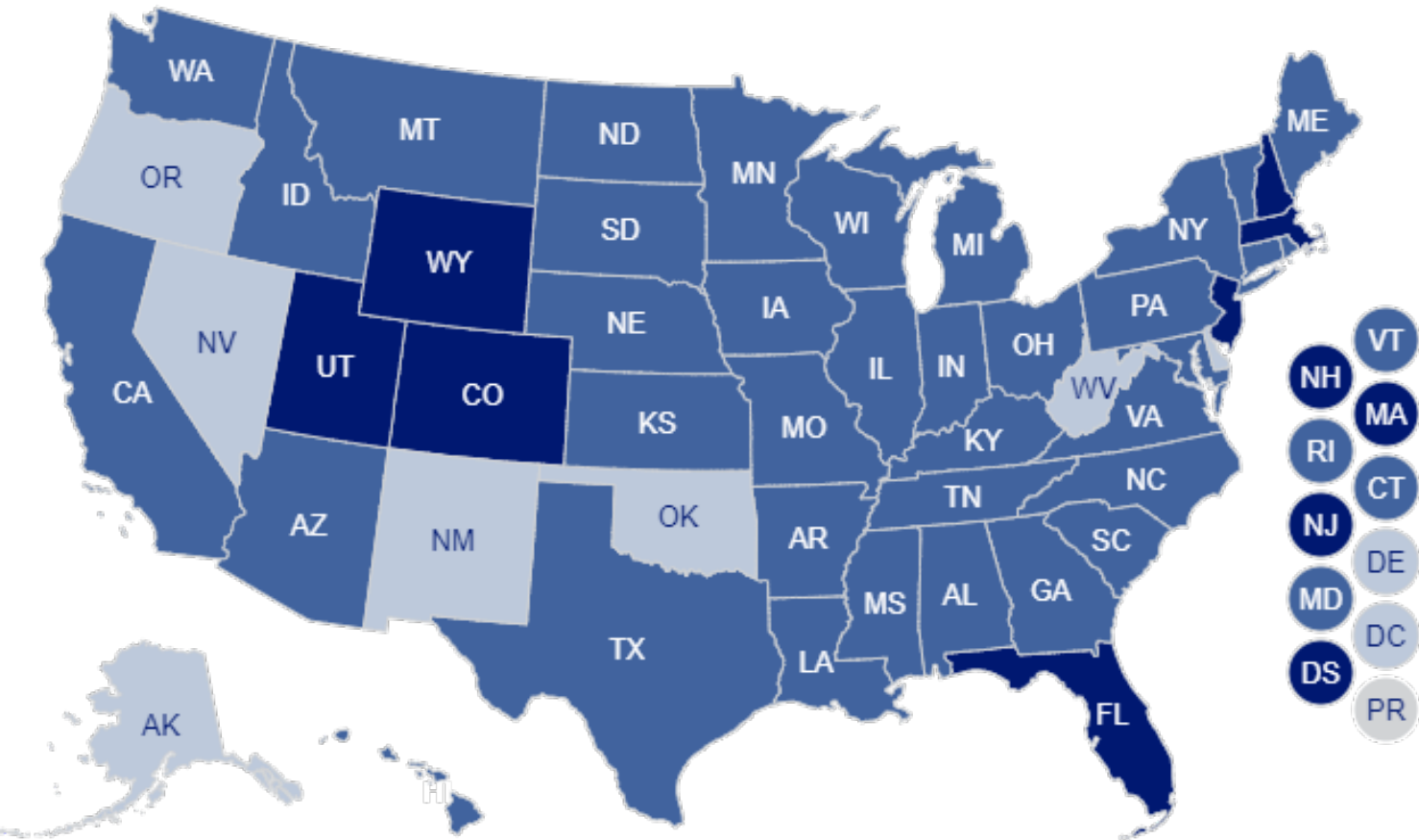


Grade 4



*Significantly different ($p < .05$) from 2022.

State Comparisons to National Average



2022 National public average scale score
(0–500)

216

8

jurisdictions significantly higher

36

jurisdictions not significantly different

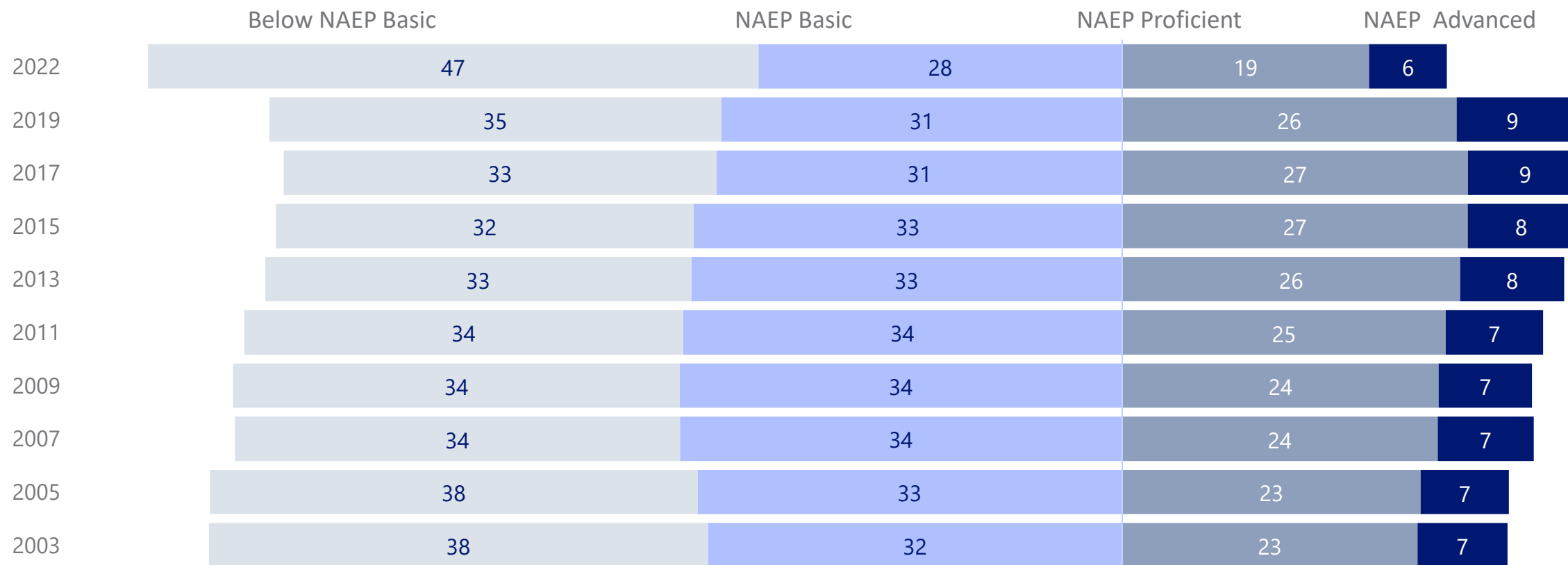
8

jurisdictions significantly lower

Achievement Level Percentages



Grade 4



*Significantly different ($p < .05$) from 2022. NOTE: Detail may not sum to totals because of rounding.

Student Group Score Differences



Grade 4 – Differences since 2019

	All Students	Male	Female	Eligible for NSLP	Students with Disabilities*	English language learners
DELAWARE	↓10	↓10	↓9	↓13	◆	↓12
National Public	↓3	↓3	↓4	↓4	◆	◆

↑ Higher

↓ Lower

◆ No significant change

— Not available

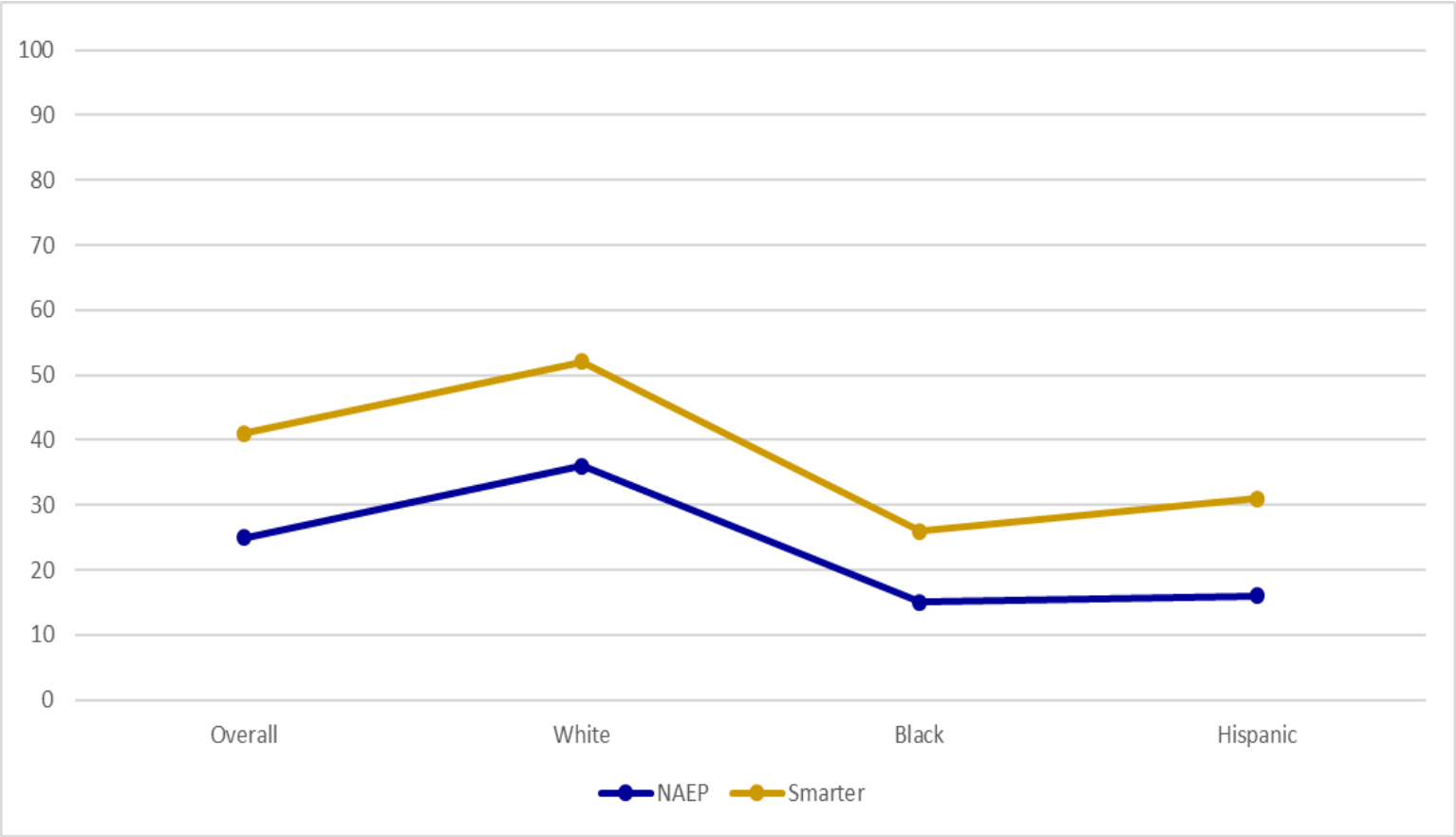
	White	Black	Hispanic	Asian/ Pacific Islander	American Indian/ Alaska Native	Two or more races
DELAWARE	↓9	↓8	↓10	↓14	—	↓4
National Public	↓3	↓5	↓4	◆	↓6	↓4

*Students with disabilities including those with a 504 plan.

Smarter Proficiency Level Comparison



Grade 4

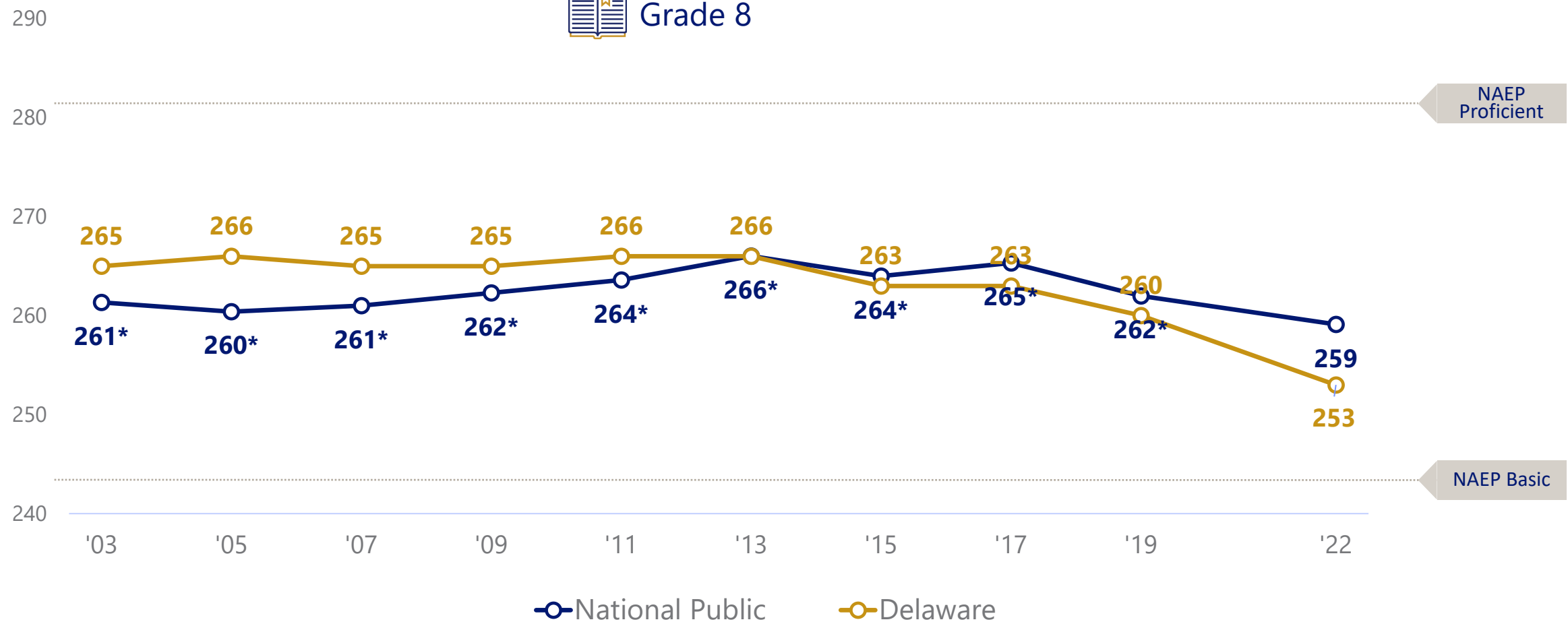


Grade 8 Reading Results



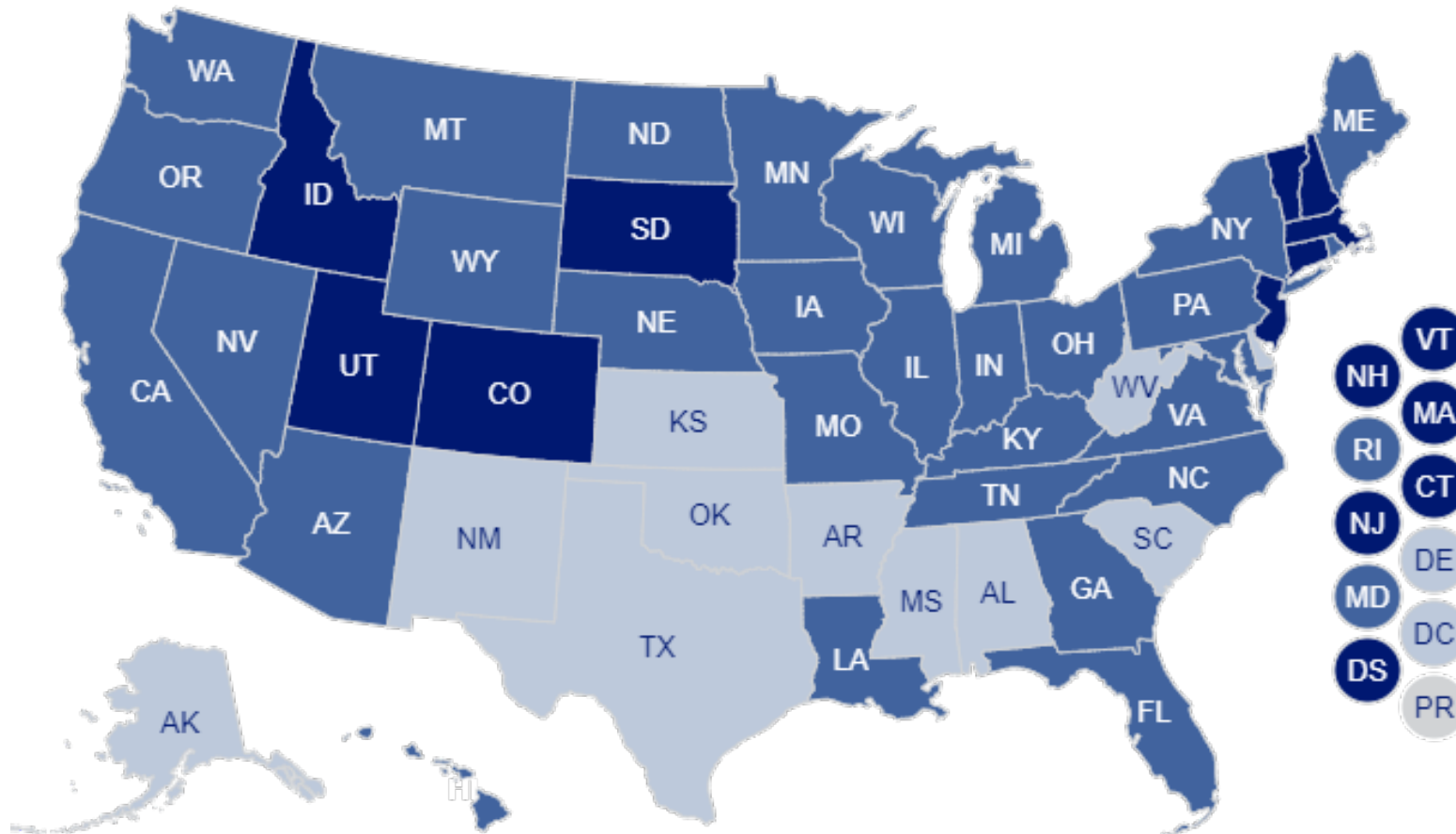
Average Scale Scores

 Grade 8



*Significantly different (p < .05) from 2022.

State Comparisons to National Average



2022 National public average scale score
(0–500)

259

10

jurisdictions significantly higher

30

jurisdictions not significantly different

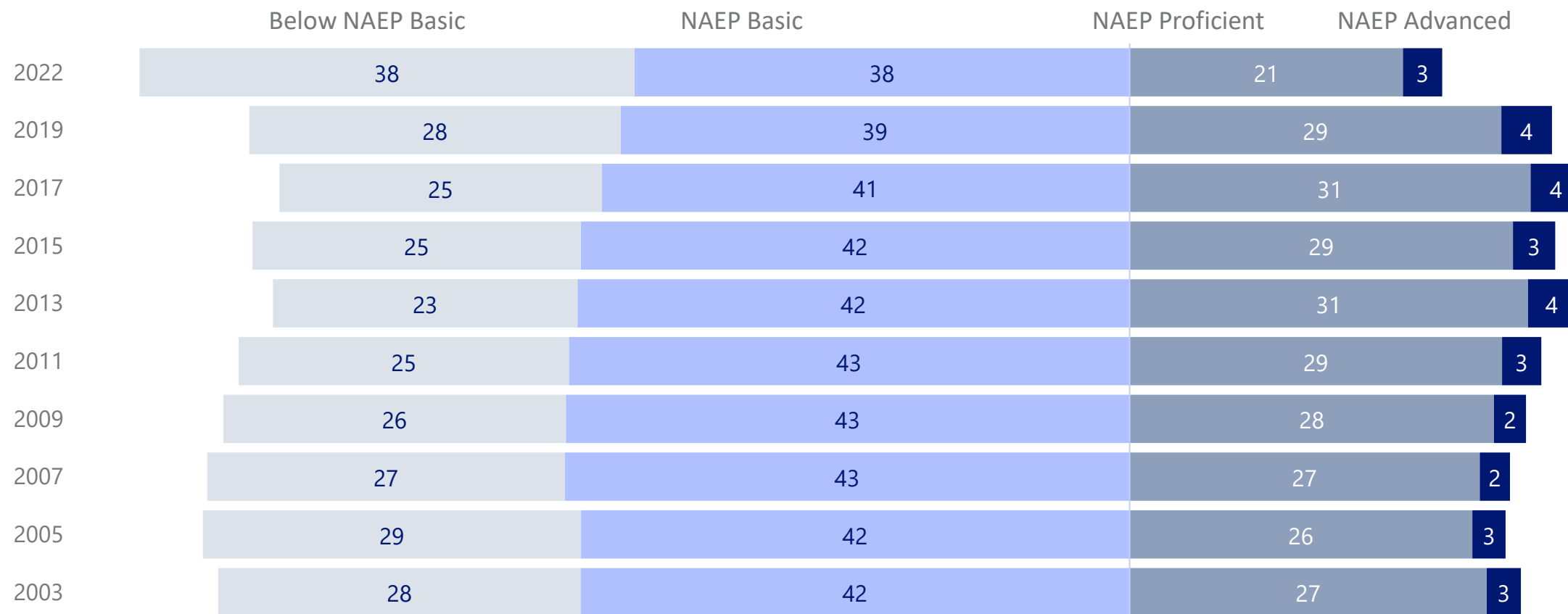
12

jurisdictions significantly lower

Achievement Level Percentages



Grade 8



*Significantly different ($p < .05$) from 2022. NOTE: Detail may not sum to totals because of rounding.

Student Subgroup Score Differences



Grade 8 – Differences since 2019

	All Students	Male	Female	Eligible for NSLP	Students with Disabilities*	English Learners
DELAWARE	↓7	↓6	↓8	↓4	↑5	↑ 13
National Public	↓3	↓1	↓4	↓2	◆	↑ 4

↑ Higher

↓ Lower

◆ No significant change

— Not available

	White	Black	Hispanic	Asian/ Pacific Islander	American Indian/ Alaska Native	Two or more races
DELAWARE	↓6	↓6	↓5	↓15	—	↓ 7
National Public	↓4	◆	◆	◆	◆	◆

*Students with disabilities including those with a 504 plan.

Smarter Proficiency Level Comparison



Grade 8

