

# 2024 Mathematics GRADES 4 & 8





GRADE 4

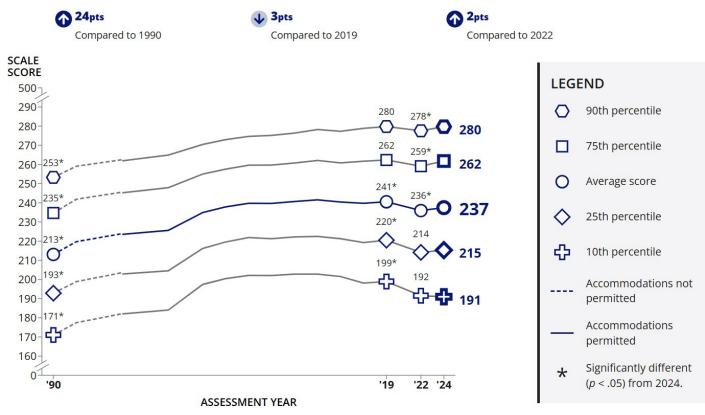


#### FOURTH-GRADE MATHEMATICS SCORES IMPROVED COMPARED TO 2022

- Scores increased on average and for students at the 50th, 75th, and 90th percentiles
- Higher percentage of students at or above NAEP Proficient and lower percentage below NAEP Basic
- Higher scores for Black, Hispanic, and White students; no score changes for other racial/ethnic groups
- Scores increased for male and female students as well as students attending schools in the Northeast and South regions
- Most student groups with score increases also increased at the 75th percentile
- Scores increased in 15 states/jurisdictions
- Scores increased in 14 TUDA districts
- Average score lower compared to 2019

#### Mathematics grade 4 national score trends











#### **STATES & DISTRICTS**

GRADE 4

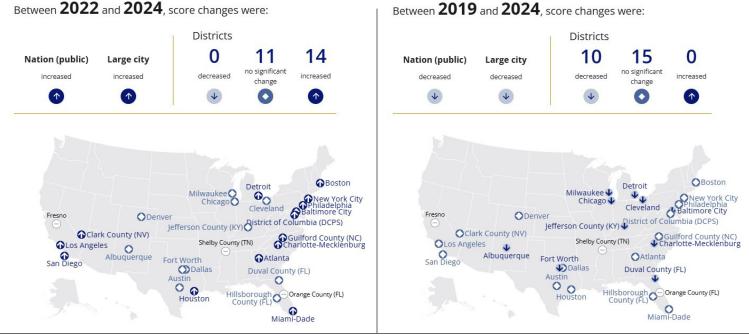


#### Mathematics grade 4 state score trends pre- and post-pandemic



NOTE: DS = Department of Defense Education Activity (DoDEA), a federally operated nonpublic school system responsible for educating children of military families.

#### Mathematics grade 4 district score trends pre- and post-pandemic



⊖ No data or not applicable.



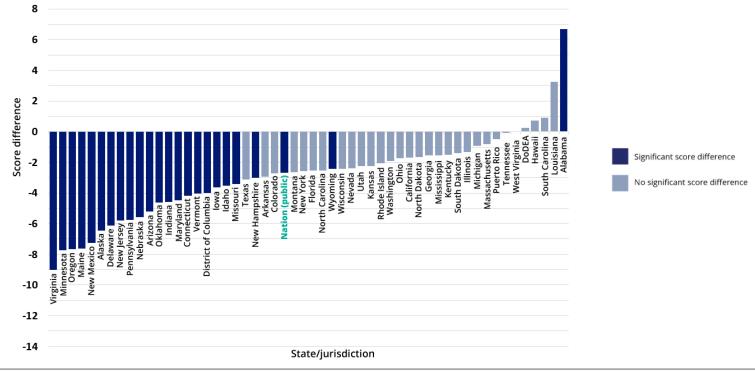


**STATES & DISTRICTS** 

GRADE 4

+ -\* ×

#### Score point difference from 2019 to 2024 in grade 4 mathematics by state/jurisdiction



NOTE: DoDEA = Department of Defense Education Activity, a federally operated nonpublic school system responsible for educating children of military families.

#### 4 2 0 Miami-Dade Guilford County (NC) -os Angeles Austin New York City Philadelphia District of Columbia (DCPS) -2 Boston san Diego Atlanta Dallas Houston Hillsborough County (FL) Denver Nation (public) Score difference -4 Significant score difference Clark County (NV) Large city Jefferson County (KY) No significant score difference -6 Detroit Charlotte-Mecklenburg Albuquerque **Baltimore City** Fort Worth -8 Duval County (FL) Chicago -10 Milwaukee -12 Cleveland -14 -16 District/jurisdiction

#### Score point difference from 2019 to 2024 in grade 4 mathematics by district/jurisdiction







**KEY FINDINGS** 



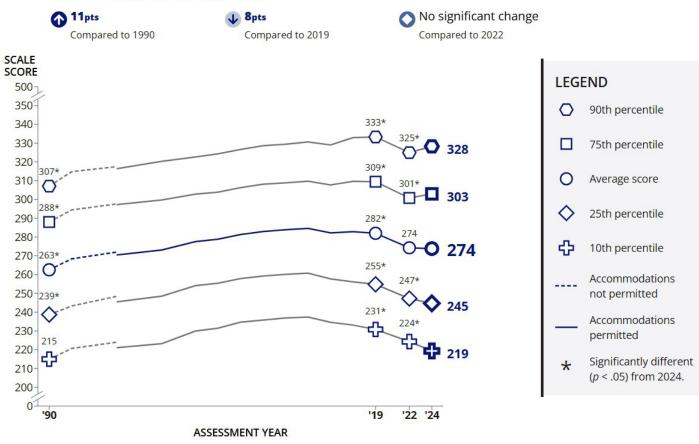


### EIGHTH-GRADE AVERAGE MATHEMATICS SCORE DID NOT SIGNIFICANTLY CHANGE WITH DIFFERENCES IN PERFORMANCE BETWEEN HIGHER- AND LOWER-PERFORMERS

- Scores diverged with increases for students at the 75th and 90th percentiles and decreases for students at the 10th and 25th percentiles
- Higher percentages of students at or above NAEP Proficient and below NAEP Basic
- Scores declined for Hispanic students, students who were identified as economically disadvantaged, students with disabilities, and English learners
- Student groups with score declines also declined at the 25th percentile
- Scores declined in 4 states/jurisdictions
- Scores declined in 8 TUDA districts
- Average score lower compared to 2019

#### Mathematics grade 8 national score trends









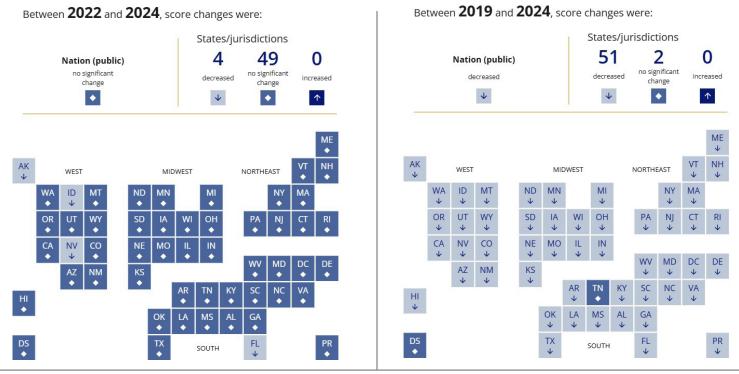


**STATES & DISTRICTS** 

**GRADE 8** 

#### +-÷×

#### Mathematics grade 8 state score trends pre- and post-pandemic



NOTE: DS = Department of Defense Education Activity (DoDEA), a federally operated nonpublic school system responsible for educating children of military families.

#### Mathematics grade 8 district score trends pre- and post-pandemic



 $\Theta$  No data or not applicable.





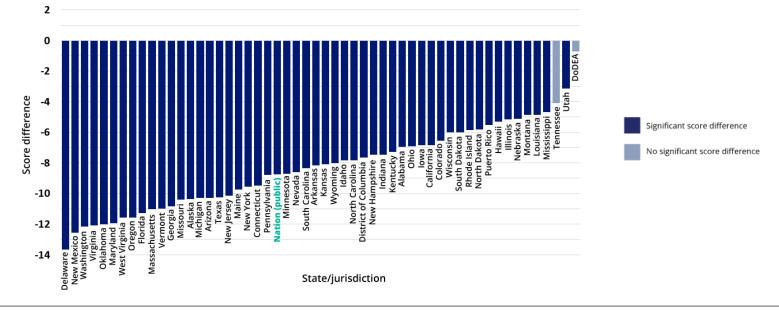
+ |-÷ |×



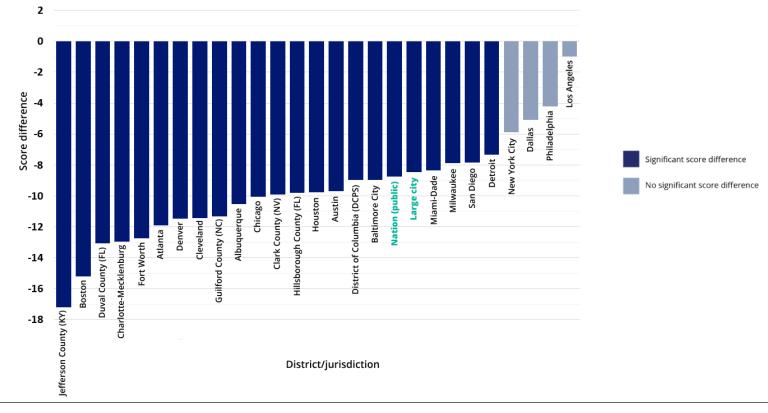
#### **STATES & DISTRICTS**

### GRADE 8

#### Score point difference from 2019 to 2024 in grade 8 mathematics by state/jurisdiction



NOTE: DoDEA = Department of Defense Education Activity, a federally operated nonpublic school system responsible for educating children of military families.



#### Score point difference from 2019 to 2024 in grade 8 mathematics by district/jurisdiction







**KEY FINDINGS** 

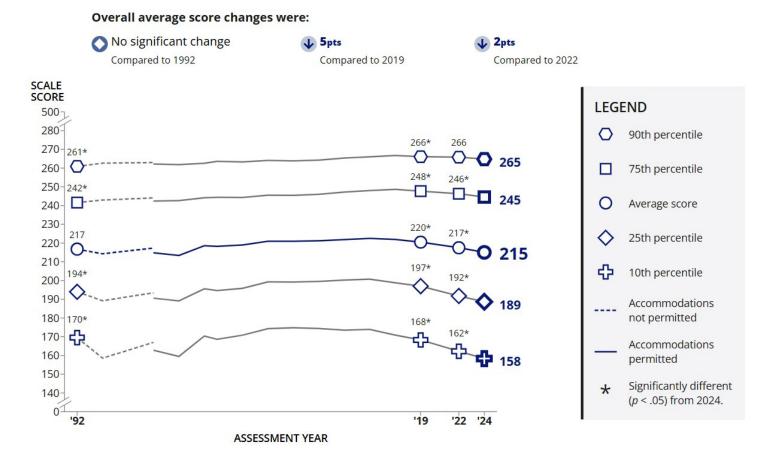
**GRADE 4** 



#### FOURTH-GRADE READING SCORES CONTINUE A DECLINE THAT BEGAN PRE-PANDEMIC

- Lower average score reflected in declines at the 10th, 25th, 50th, and 75th percentiles
- Lower percentage of students at or above NAEP Proficient and higher percentage below NAEP Basic
- Scores declined for many student groups, for example: Asian, Asian/Pacific Islander, students of Two or more races, and White students; male and female students
- Scores declined in 5 states/jurisdictions
- Scores declined in 4 TUDA districts; score increased in 1 district
- Average score lower compared to 2019

#### Reading grade 4 national score trends



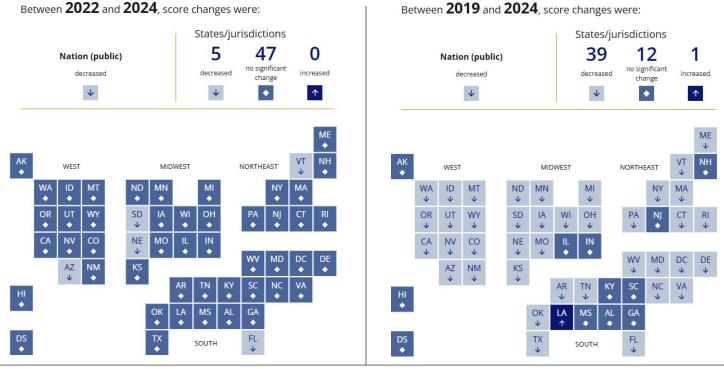




**STATES & DISTRICTS** 

GRADE 4

#### Reading grade 4 state score trends pre- and post-pandemic



NOTE: DS = Department of Defense Education Activity (DoDEA), a federally operated nonpublic school system responsible for educating children of military families.

#### Reading grade 4 district score trends pre- and post-pandemic



 $\Theta$  No data or not applicable.

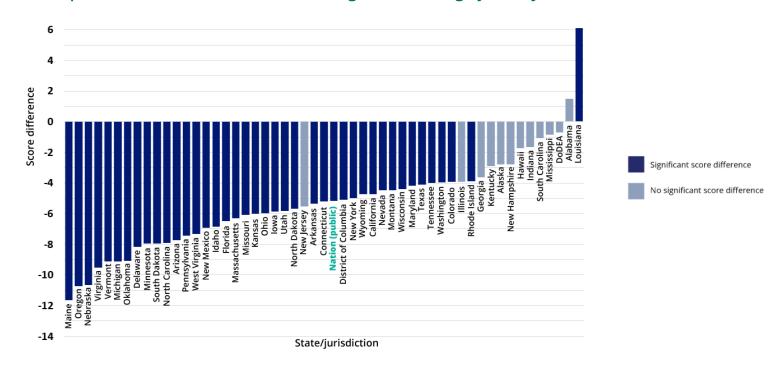




**GRADE 4** 

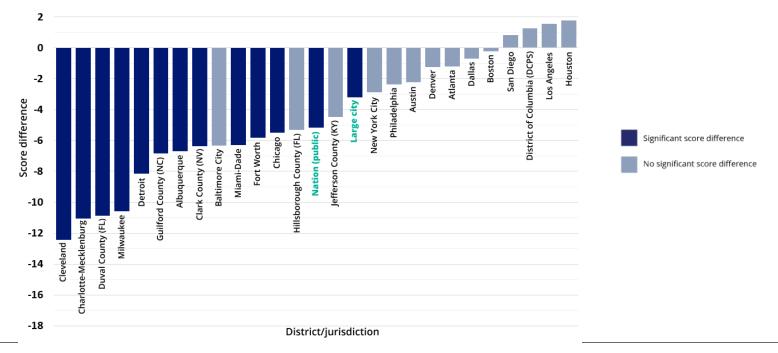
**STATES & DISTRICTS** 

#### Score point difference from 2019 to 2024 in grade 4 reading by state/jurisdiction



NOTE: DoDEA = Department of Defense Education Activity, a federally operated nonpublic school system responsible for educating children of military families.

#### Score point difference from 2019 to 2024 in grade 4 reading by district/jurisdiction













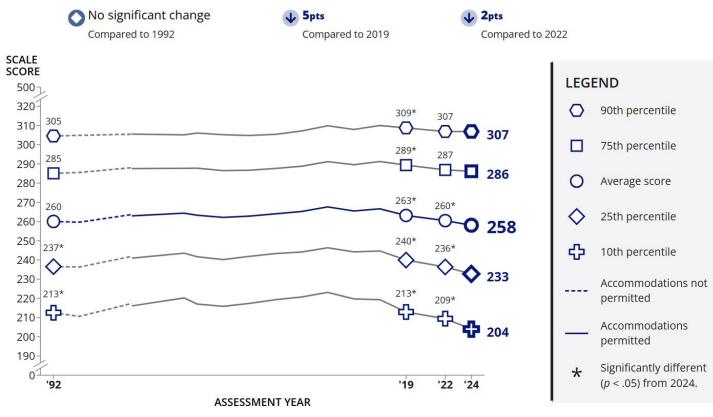


#### EIGHTH-GRADE READING SCORES CONTINUE TO DECLINE

- Lower average score reflected in declines at the 10th, 25th, and 50th percentiles
- Higher percentage of students below NAEP Basic; no significant change in percentage at or above NAEP Proficient
- Scores declined for many student groups, for example: Hispanic and White students; male and female students
- Most student groups with score declines also declined at the 25th percentile
- Scores declined in 8 states
- Scores declined in 7 TUDA districts
- Scores at the 10th and 25th percentiles and the percentage of students below *NAEP Basic* lowest since the first assessment in 1992
- Average score lower compared to 2019

#### Reading grade 8 national score trends

#### Overall average score changes were:





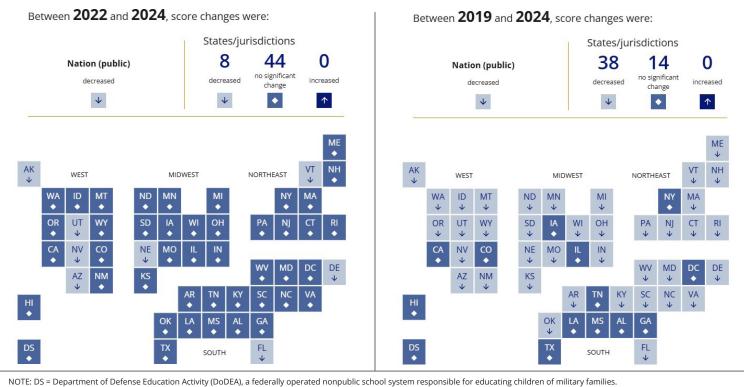


**STATES & DISTRICTS** 

GRADE 8



#### Reading grade 8 state score trends pre- and post-pandemic



#### Reading grade 8 district score trends pre- and post-pandemic



 $\Theta$  No data or not applicable.



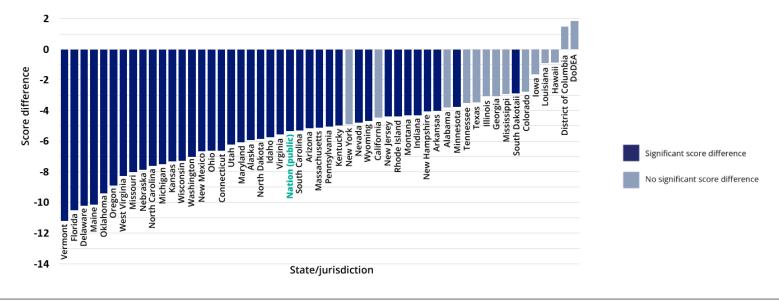


**GRADE 8** 



**STATES & DISTRICTS** 

#### Score point difference from 2019 to 2024 in grade 8 reading by state/jurisdiction



NOTE: DoDEA = Department of Defense Education Activity, a federally operated nonpublic school system responsible for educating children of military families.

## Score point difference from 2019 to 2024 in grade 8 reading by district/jurisdiction

