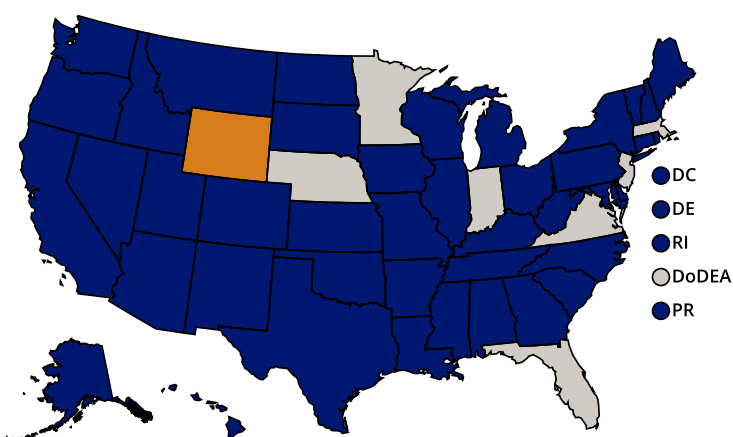


Overall Results

- In 2017, the average score of fourth-grade students in Wyoming was 248. This was higher than the average score of 239 for public school students in the nation.
- The average score for students in Wyoming in 2017 (248) was not significantly different from their average score in 2015 (247) and was higher than their average score in 2000 (229).
- The percentage of students in Wyoming who performed at or above the NAEP *Proficient* level was 51 percent in 2017. This percentage was not significantly different from that in 2015 (48 percent) and was greater than that in 2000 (25 percent).
- The percentage of students in Wyoming who performed at or above the NAEP *Basic* level was 89 percent in 2017. This percentage was not significantly different from that in 2015 (88 percent) and was greater than that in 2000 (71 percent).

Compare the Average Score in 2017 to Other States/Jurisdictions



In 2017, the average score in Wyoming (248) was
lower than those in 0 states/jurisdictions
higher than those in 44 states/jurisdictions
not significantly different from those in 8 states/jurisdictions

DoDEA = Department of Defense Education Activity (overseas and domestic schools)

Results for Student Groups in 2017

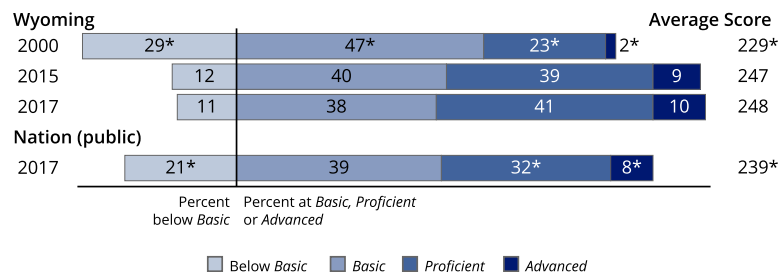
Reporting Groups	Percentage of students	Avg. score	Percentage at or above		Percentage at
			Basic	Proficient	Advanced
Race/Ethnicity					
White	80	250	91	54	11
Black	1	‡	‡	‡	‡
Hispanic	12	237	80	36	5
Asian	1	‡	‡	‡	‡
American Indian/Alaska Native	3	221	65	15	#
Native Hawaiian/Pacific Islander	#	‡	‡	‡	‡
Two or more races	3	‡	‡	‡	‡
Gender					
Male	52	249	89	53	12
Female	48	246	89	48	8
National School Lunch Program					
Eligible	41	239	82	38	6
Not eligible	58	254	93	60	13

Rounds to zero.

‡ Reporting standards not met.

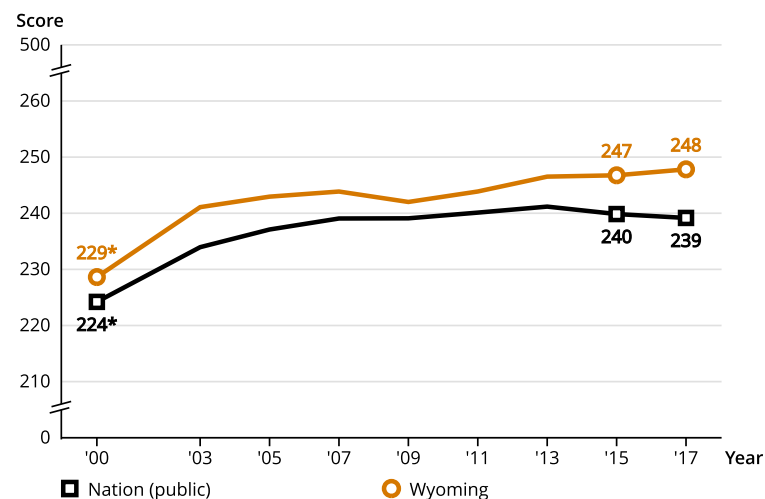
NOTE: Detail may not sum to totals because of rounding, and because the "Information not available" category for the National School Lunch Program, which provides free/reduced-price lunches, is not displayed. Black includes African American and Hispanic includes Latino. Race categories exclude Hispanic origin.

Achievement-Level Percentages and Average Score Results



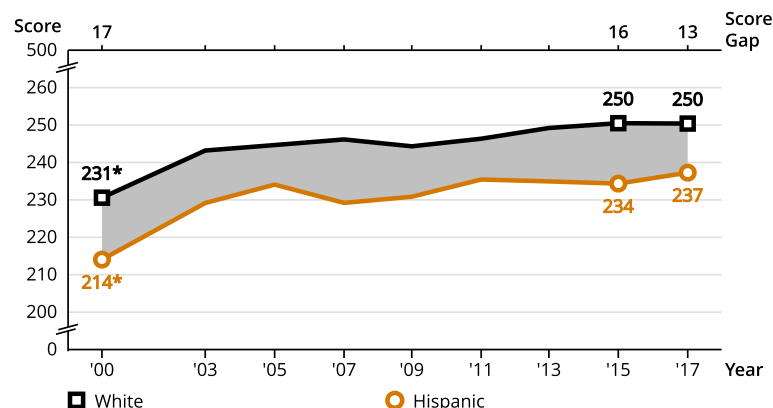
* Significantly different ($p < .05$) from state's results in 2017. Significance tests were performed using unrounded numbers.
 NOTE: Detail may not sum to totals because of rounding.

Average Scores for State/Jurisdiction and Nation (public)



* Significantly different ($p < .05$) from 2017. Significance tests were performed using unrounded numbers.

White - Hispanic Score Gap



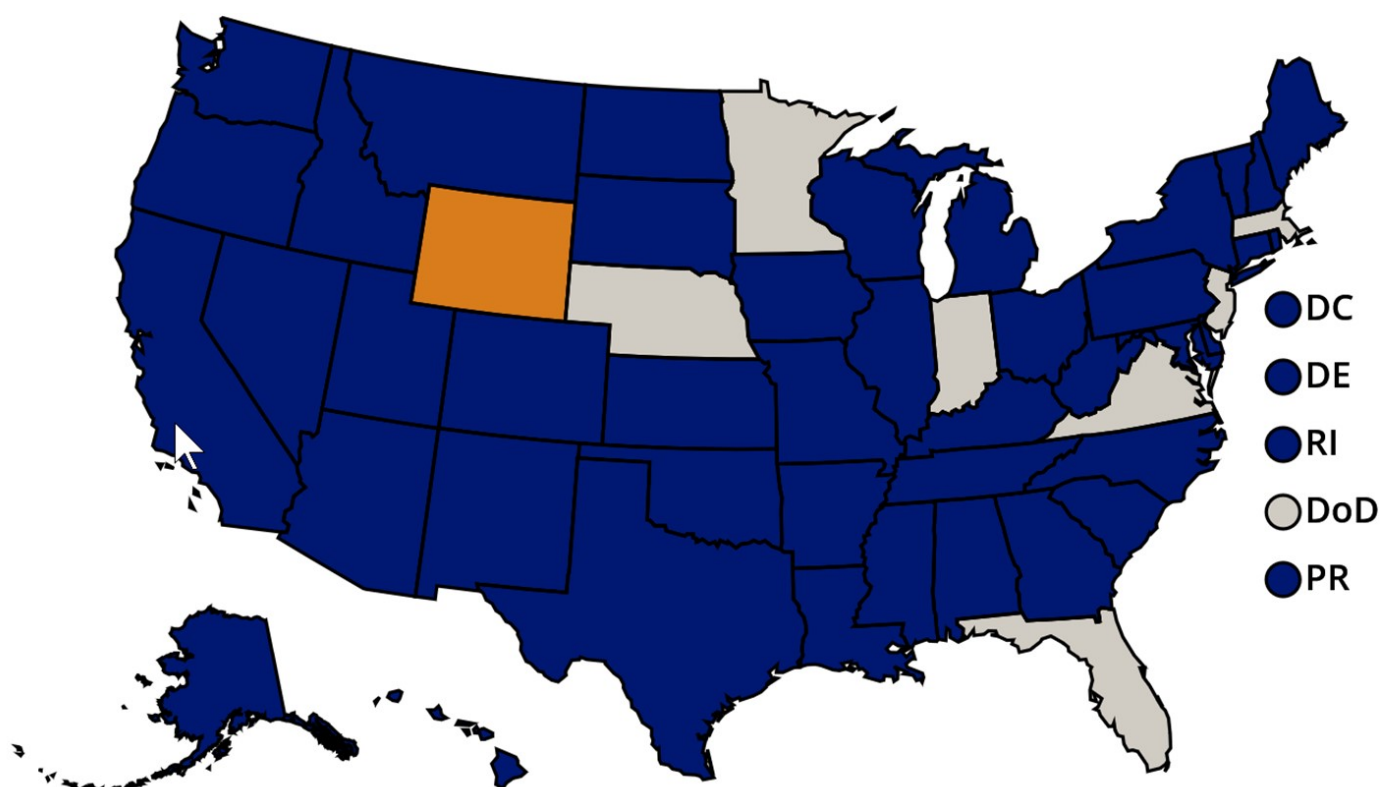
* Significantly different ($p < .05$) from 2017. Significance tests were performed using unrounded numbers.

Grade 4 Report

National Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess fourth graders' mathematical skills in five categories: number properties & operations, measurement, geometry, data analysis & probability, and algebra. Scale scores range from 0 to 500, wherein a 214 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 249 reflects *Proficient* results or competency on challenging material, and 282 is considered to be *Advanced*.

Wyoming and the Nation — Grade 4 Mathematics Scale Scores



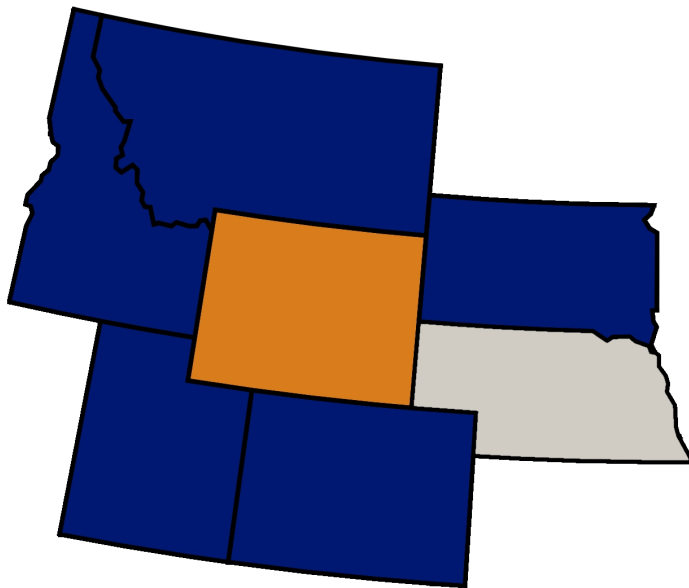
- ▶ On the 2017 mathematics assessment, Wyoming 4th graders had an average scale score that was reliably higher than students in Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Georgia, Hawaii, Idaho, Illinois, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Michigan, Mississippi, Missouri, Montana, Nevada, New Hampshire, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Puerto Rico, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Washington, West Virginia and Wisconsin.
- ▶ Wyoming 4th graders had an average scale score that was not statistically different from students in Department of Defense schools, Florida, Indiana, Massachusetts, Minnesota, Nebraska, New Jersey and Virginia.
- ▶ There were no states during 2017 that had an average scale score which was reliably higher than 4th graders students in Wyoming.

Grade 4 Report

Regional Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess fourth graders' mathematical skills in five categories: number properties & operations, measurement, geometry, data analysis & probability, and algebra. Scale scores range from 0 to 500, wherein a 214 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 249 reflects *Proficient* results or competency on challenging material, and 282 is considered to be *Advanced*.

Average Scale Scores

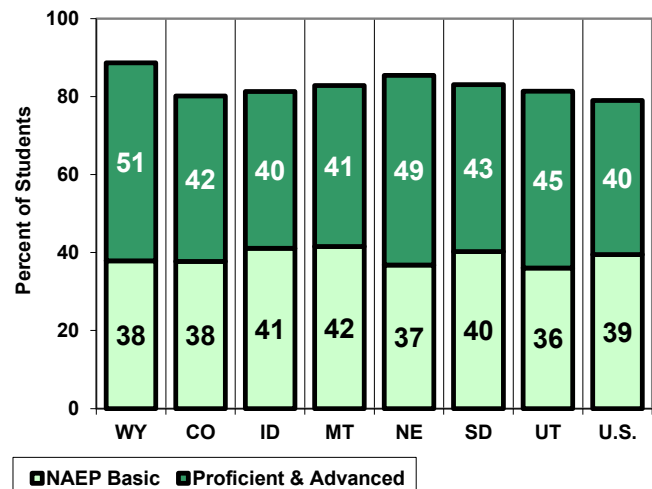


Legend: Wyoming is the focal state. States in dark blue scored reliably lower than Wyoming. State in beige was not statistically different from Wyoming.

- ▶ In 2017, the average mathematics scale score for 4th grade students in Wyoming was 248; this was reliably higher than the national average (239).
- ▶ Wyoming 4th graders also had a higher average mathematics scale score in 2017 than students in Colorado, Idaho, Montana, Nebraska, South Dakota and Utah.
- ▶ Wyoming fourth graders had an average mathematics scale score in 2017 that was not statistically different from Nebraska.

Achievement Levels

- ▶ Eighty-nine (89) percent of Wyoming's 4th graders scored at or above *Basic* on the 2017 mathematics assessment. This was higher than the nation's 79 percent.
- ▶ Wyoming had a higher percentage of 4th graders scoring at or above *Basic* on the 2017 mathematics assessment than Colorado, Idaho, Montana, Nebraska, South Dakota and Utah.

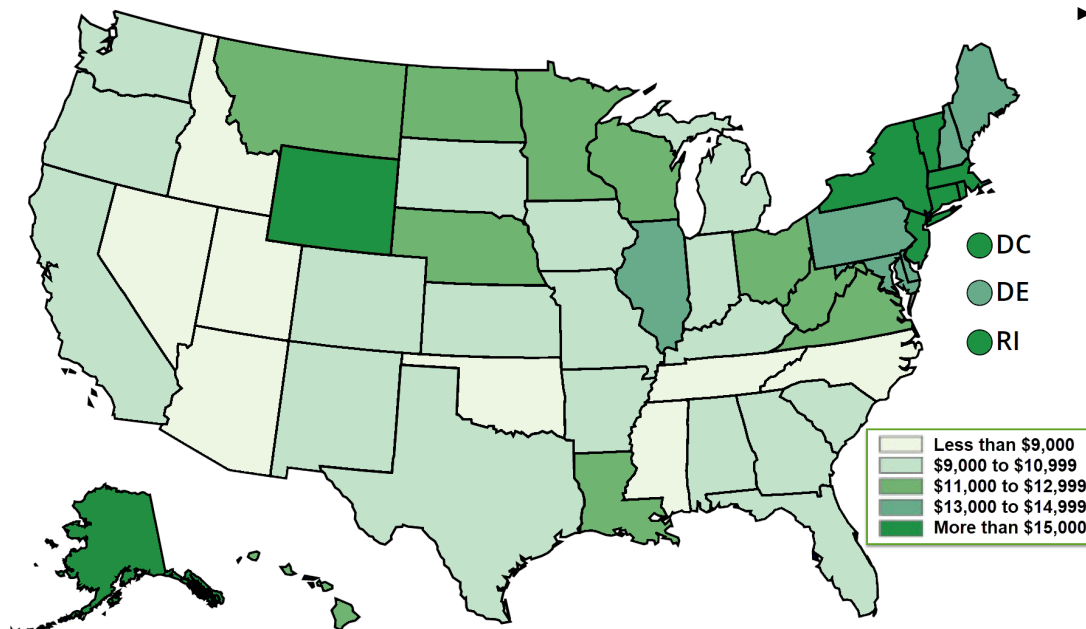


Grade 4 Report

Funding Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess fourth graders' mathematical skills in five categories: number properties & operations, measurement, geometry, data analysis & probability, and algebra. Scale scores range from 0 to 500, wherein a 214 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 249 reflects *Proficient* results or competency on challenging material, and 282 is considered to be *Advanced*.

Per Capita Student Expenditures During 2014-2015



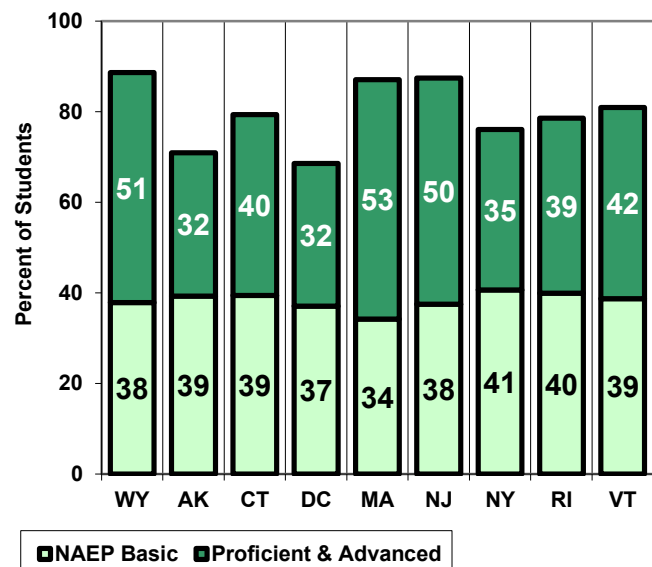
► Wyoming was one of nine jurisdictions spending over \$15,000 per student during the 2014-2015 school year. Jurisdictions also at this spending level: Alaska, Connecticut, DC, Massachusetts, New Jersey, New York, Rhode Island, and Vermont.

NOTE: Current expenditures include instruction, instruction-related, support services, and other elementary/secondary expenditures, but exclude expenditures on capital outlay, other programs, and interest on long term debt. Interscholar transactions are excluded to prevent double-counting.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data (CCD), "National Public Education Financial Survey (NPEFS)," fiscal year 2015, Provisional Version 1a.

NAEP Achievement Levels

- Eighty-nine (89) percent of Wyoming 4th graders scored at or above *Basic* on the 2017 mathematics assessment. This was higher than the nation's 79 percent.
- Wyoming had a higher percentage of 4th graders scoring at or above *Basic* on the 2017 mathematics assessment than Alaska, Connecticut, District of Columbia, New York, Rhode Island and Vermont i.e., states with similar per student expenditures.
- The percentage of Wyoming fourth grade students performing at or above *Basic* on the 2017 assessment was not reliably different from Massachusetts or New Jersey.



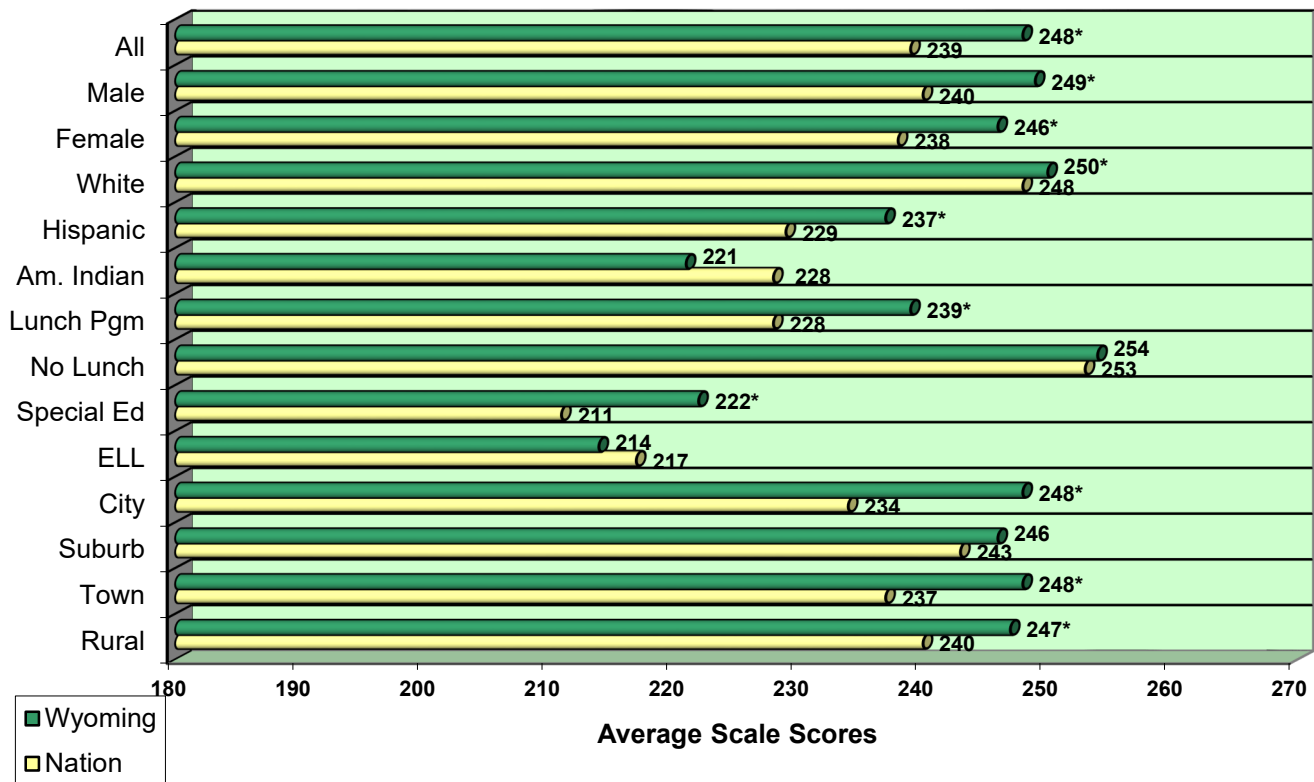
Grade 4 Report

WY-US Student Gaps Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess fourth graders' mathematical skills in five categories: number properties & operations, measurement, geometry, data analysis & probability, and algebra. Scale scores range from 0 to 500, wherein a 214 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 249 reflects *Proficient* results or competency on challenging material, and 282 is considered to be *Advanced*.

Student Group Comparisons

Wyoming and National Results



- In 2017, Wyoming fourth graders' average scale score in mathematics was higher than students nationally;

Wyoming also had higher results in nine student groups: both male and female students, White students, Hispanic students, students from low income families (i.e., students qualifying for free or reduced price meals from the National School Lunch Program), Special Education students, and students in city, town and rural schools (as defined by the US Census Bureau).

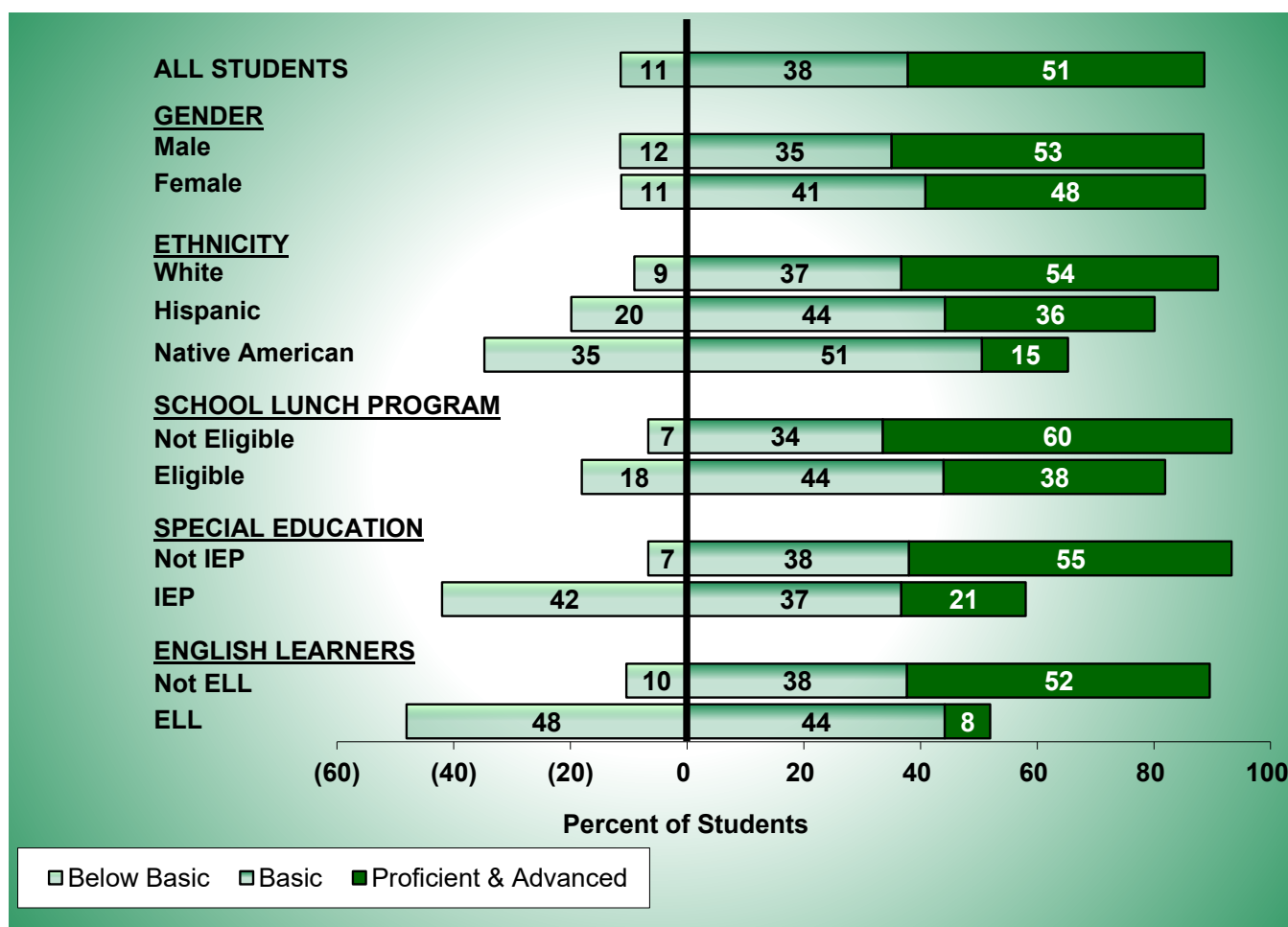
- Wyoming Native American students, Non-eligible students (i.e., students *not* qualifying for free or reduced price meals from the National School Lunch Program), English Language Learners (ELLs) and fourth graders in suburban schools had average scale scores in mathematics that were not reliably different from their peers nationally.

Grade 4 Report

Student Groups Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess fourth graders' mathematical skills in five categories: number properties & operations, measurement, geometry, data analysis & probability, and algebra. Scale scores range from 0 to 500, wherein a 214 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 249 reflects *Proficient* results or competency on challenging material, and 282 is considered to be *Advanced*.

Student Groups in Wyoming



- ▶ On the NAEP 2017 mathematics assessment, the proportion of fourth grade female students in Wyoming scoring at or above *Basic* (89 percent) was not reliably different than male students (88 percent).
- ▶ The proportion of fourth grade Hispanic (80 percent) and Native American (66 percent) students in Wyoming scoring at or above *Basic* was lower than White students (91 percent). Sampling was not sufficient to permit reporting of mathematics performance for fourth grade Asian and Black students.
- ▶ Wyoming fourth graders qualifying for free or reduced price meals in the School Lunch Program and scoring at or above *Basic* (82 percent) was lower than students not eligible for the program (94 percent).
- ▶ Special education students scoring at or above *Basic* (58 percent) was lower than general education students (93 percent).
- ▶ ELL students scoring at or above *Basic* (52 percent) was lower than non-English learners (90 percent).

Results are based on statistical tests which take into account the variability of NAEP sampling.

For additional results and more information about Wyoming NAEP, please visit:

<http://edu.wyoming.gov/educators/assessment/naep>