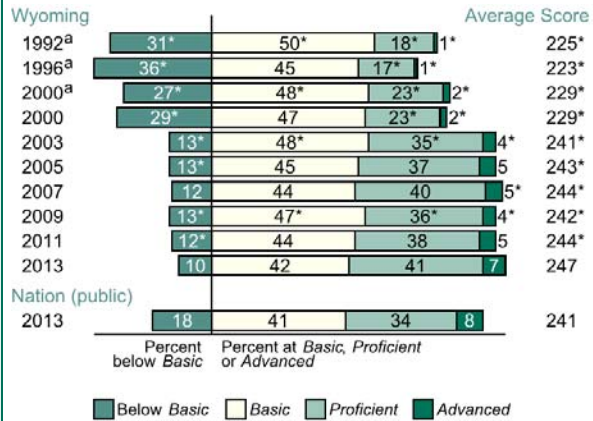


**Overall Results**

- In 2013, the average score of fourth-grade students in Wyoming was 247. This was higher than the average score of 241 for public school students in the nation.
- The average score for students in Wyoming in 2013 (247) was higher than their average score in 2011 (244) and in 1992 (225).
- The score gap between higher performing students in Wyoming (those at the 75th percentile) and lower performing students (those at the 25th percentile) was 33 points in 2013. This performance gap was not significantly different from that in 1992 (35 points).
- The percentage of students in Wyoming who performed at or above the NAEP *Proficient* level was 48 percent in 2013. This percentage was greater than that in 2011 (44 percent) and in 1992 (19 percent).
- The percentage of students in Wyoming who performed at or above the NAEP *Basic* level was 90 percent in 2013. This percentage was greater than that in 2011 (88 percent) and in 1992 (69 percent).

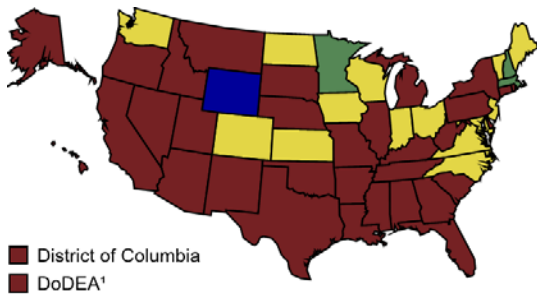
**Achievement-Level Percentages and Average Score Results**



\* Significantly different ( $p < .05$ ) from state's results in 2013. Significance tests were performed using unrounded numbers.  
<sup>a</sup> Accommodations not permitted. For information about NAEP accommodations, see <http://nces.ed.gov/nationsreportcard/about/inclusion.aspx>.

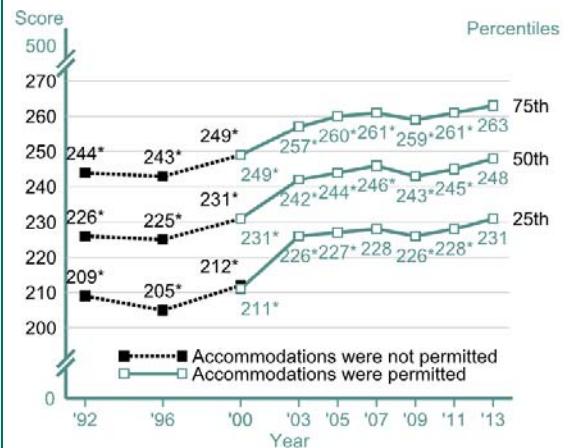
NOTE: Detail may not sum to totals because of rounding.

**Compare the Average Score in 2013 to Other States/Jurisdictions**



<sup>1</sup> Department of Defense Education Activity (overseas and domestic schools).  
 In 2013, the average score in **Wyoming** (247) was  
 ■ lower than those in 3 states/jurisdictions  
 ■ higher than those in 34 states/jurisdictions  
 ■ not significantly different from those in 14 states/jurisdictions

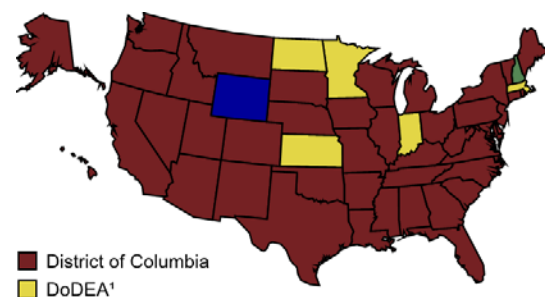
**Scores at Selected Percentiles**



\* Significantly different ( $p < .05$ ) from 2013. Significance tests were performed using unrounded numbers.

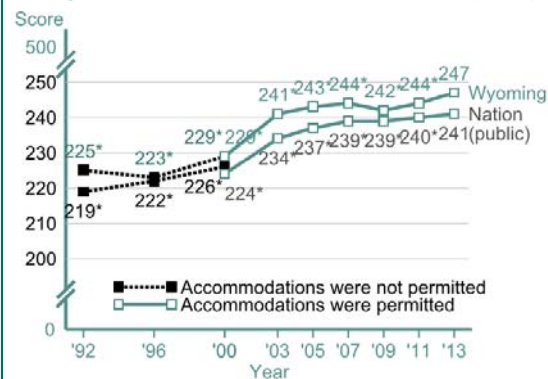
NOTE: For information about NAEP accommodations, see <http://nces.ed.gov/nationsreportcard/about/inclusion.aspx>.

**Compare at or above Basic in 2013 to Other States/Jurisdictions**



<sup>1</sup> Department of Defense Education Activity (overseas and domestic schools).  
 In 2013, the percentage at or above *Basic* in **Wyoming** (90) was  
 ■ smaller than that in 1 state/jurisdiction  
 ■ greater than those in 44 states/jurisdictions  
 ■ not significantly different from those in 6 states/jurisdictions

**Average Scores for State/Jurisdiction and Nation (public)**



\* Significantly different ( $p < .05$ ) from 2013. Significance tests were performed using unrounded numbers.

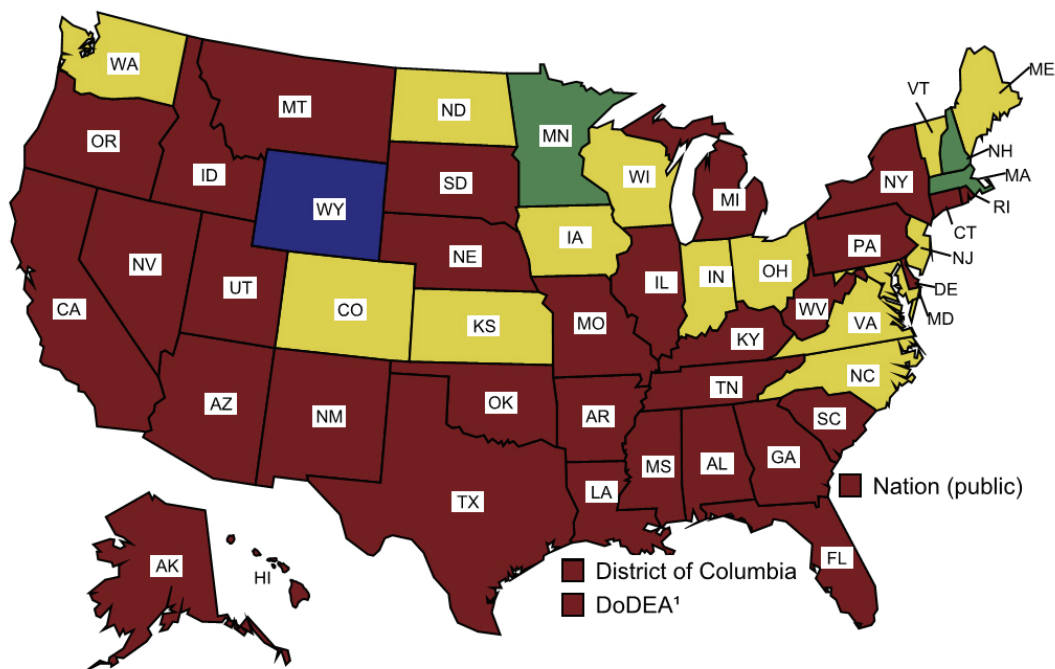
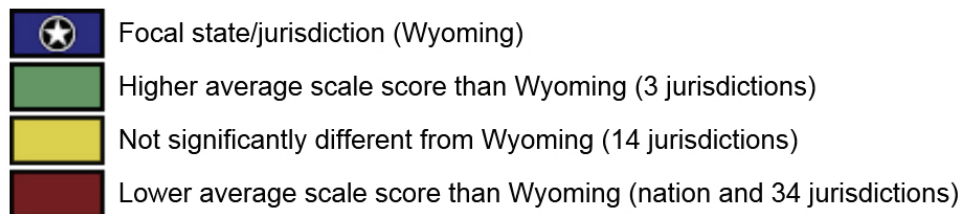
NOTE: For information about NAEP accommodations, see <http://nces.ed.gov/nationsreportcard/about/inclusion.aspx>.

## 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 2013 mathematics assessment, Wyoming 4th graders had an average scale score that was reliably higher than in Alabama, Alaska, Arizona, Arkansas, California, Connecticut, Delaware, Department of Defense schools, District of Columbia, Florida, Georgia, Hawaii, Idaho, Illinois, Kentucky, Louisiana, Michigan, Mississippi, Missouri, Montana, Nebraska, Nevada, New Mexico, New York, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah and West Virginia.
- ▶ Wyoming 4th graders had an average scale score that was not statistically different from students in Colorado, Iowa, Indiana, Kansas, Maine, Maryland, New Jersey, North Carolina, North Dakota, Ohio, Virginia, Washington, Wisconsin and Vermont.
- ▶ Wyoming 4th graders had an average scale score which was reliably lower than students in Massachusetts, Minnesota and New Hampshire.

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:

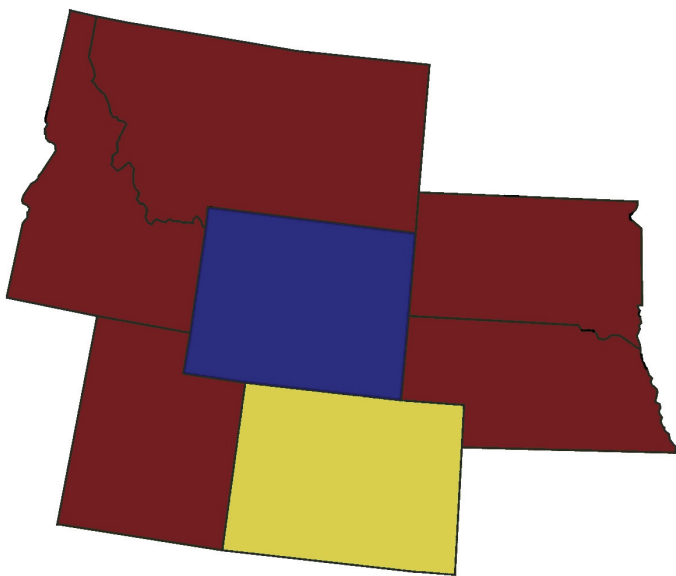
[http://edu.wyoming.gov/Programs/statewide\\_assessment\\_system/naep.aspx](http://edu.wyoming.gov/Programs/statewide_assessment_system/naep.aspx).

## 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*.

## Scale Scores

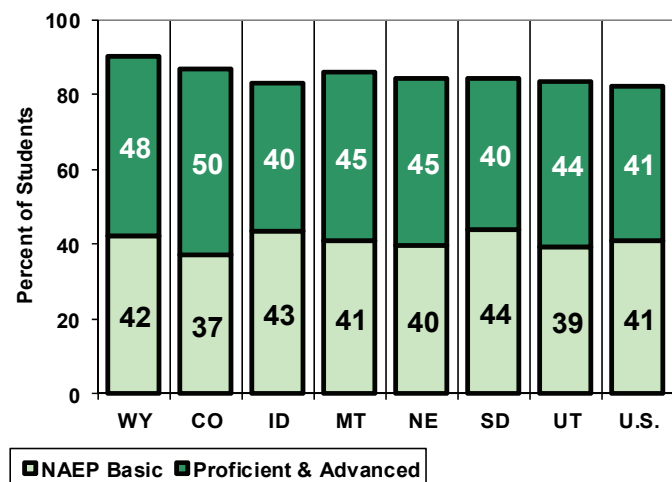


Legend: Wyoming (blue) is the focal state. States in yellow were not statistically different from Wyoming. States in red scored reliably lower than Wyoming.

- ▶ In 2013, the average mathematics scale score for 4th grade students in Wyoming was 247; this was reliably higher than the national average (241).
- ▶ Wyoming 4th graders also had a higher average mathematics scale score in 2013 than students in Idaho, Montana, Nebraska, South Dakota, and Utah.
- ▶ Wyoming 4th graders had an average scale score on the 2013 mathematics assessment that was not statistically different from students in Colorado.

## Achievement Levels

- ▶ Ninety (90) percent of Wyoming's 4th graders scored at or above *Basic* on the 2013 mathematics assessment. This was higher than the nation's 82 percent.
- ▶ Wyoming had a higher percentage of 4th graders scoring at or above *Basic* on the 2013 mathematics assessment than Idaho, Montana, Nebraska, South Dakota, and Utah.
- ▶ The percentage of Wyoming's 4th graders scoring at or above *Basic* on mathematics in 2013 was not reliably different from Colorado.



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:

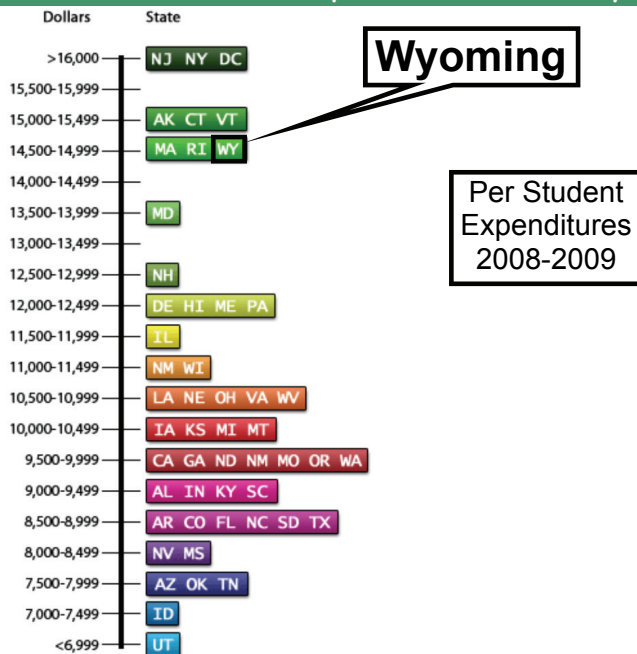
[http://edu.wyoming.gov/Programs/statewide\\_assessment\\_system/naep.aspx](http://edu.wyoming.gov/Programs/statewide_assessment_system/naep.aspx).

## 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 2008-2009



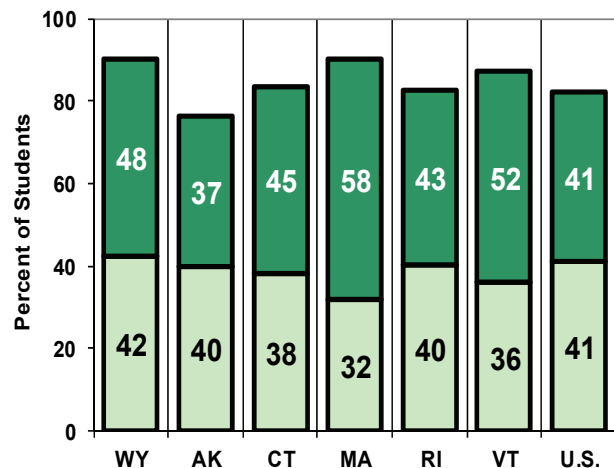
- Wyoming was among six states reporting per student expenditures between \$14,500 and \$15,500 during school year 2008-2009 (most recent data available). The other states were Alaska, Connecticut, Massachusetts, Rhode Island, and Vermont.

NOTE: The prekindergarten student membership was imputed for some states, affecting the total student count and per pupil expenditures calculation. Some values were affected by redistribution of reported expenditure values to correct for missing data items, and/or to distribute state direct support expenditures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, "National Public Education Financial Survey (NPEFS)," fiscal year 2009, Version 1a.

## NAEP Achievement Levels

- Eighty-eight (90) percent of Wyoming 4th graders scored at or above *Basic* on the 2013 mathematics assessment. This was higher than the nation's 82 percent.
- Wyoming had a higher percentage of 4th graders scoring at or above *Basic* on the 2013 mathematics assessment than Alaska, Connecticut, Rhode Island, and Vermont i.e., states with similar per student expenditures as in Wyoming.
- The percentage of Wyoming fourth grade students performing at or above *Basic* on the 2013 assessment was not reliably different from Massachusetts.



■ NAEP Basic ■ Proficient & Advanced

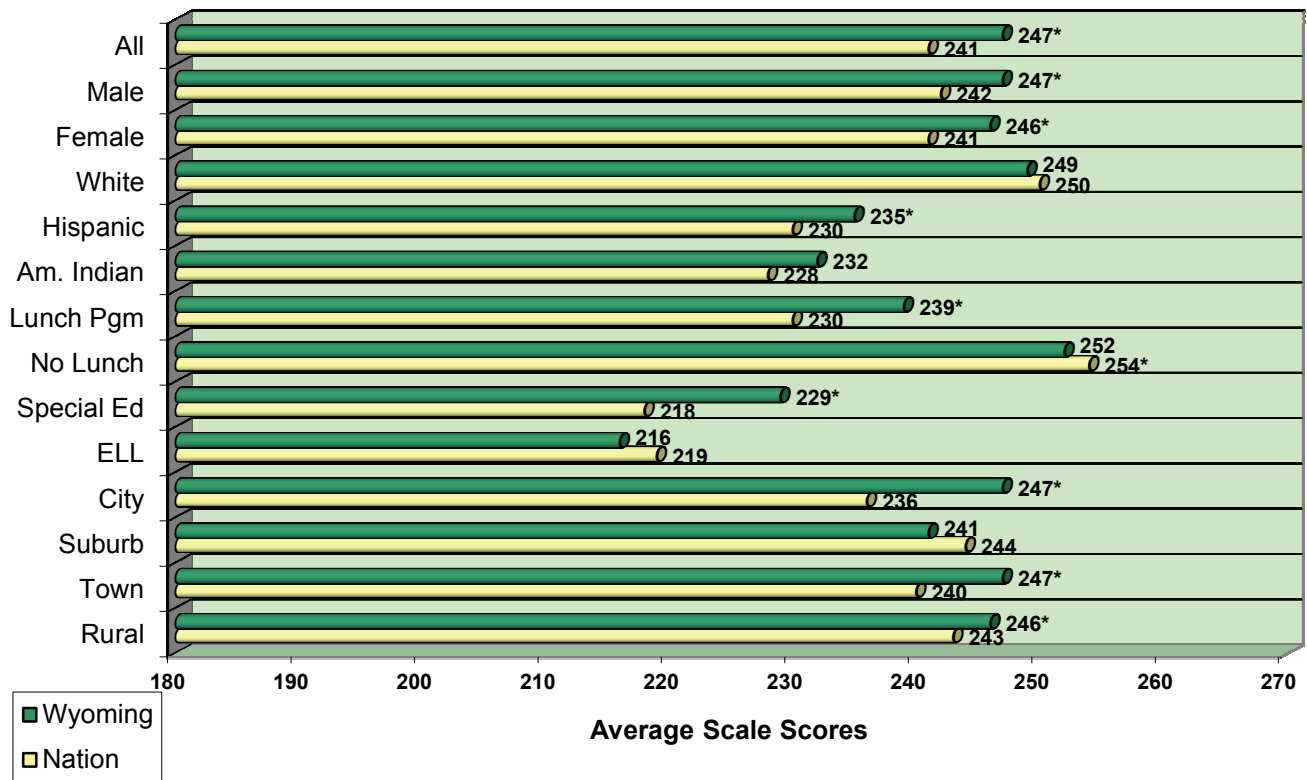
Grade 4 Report

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



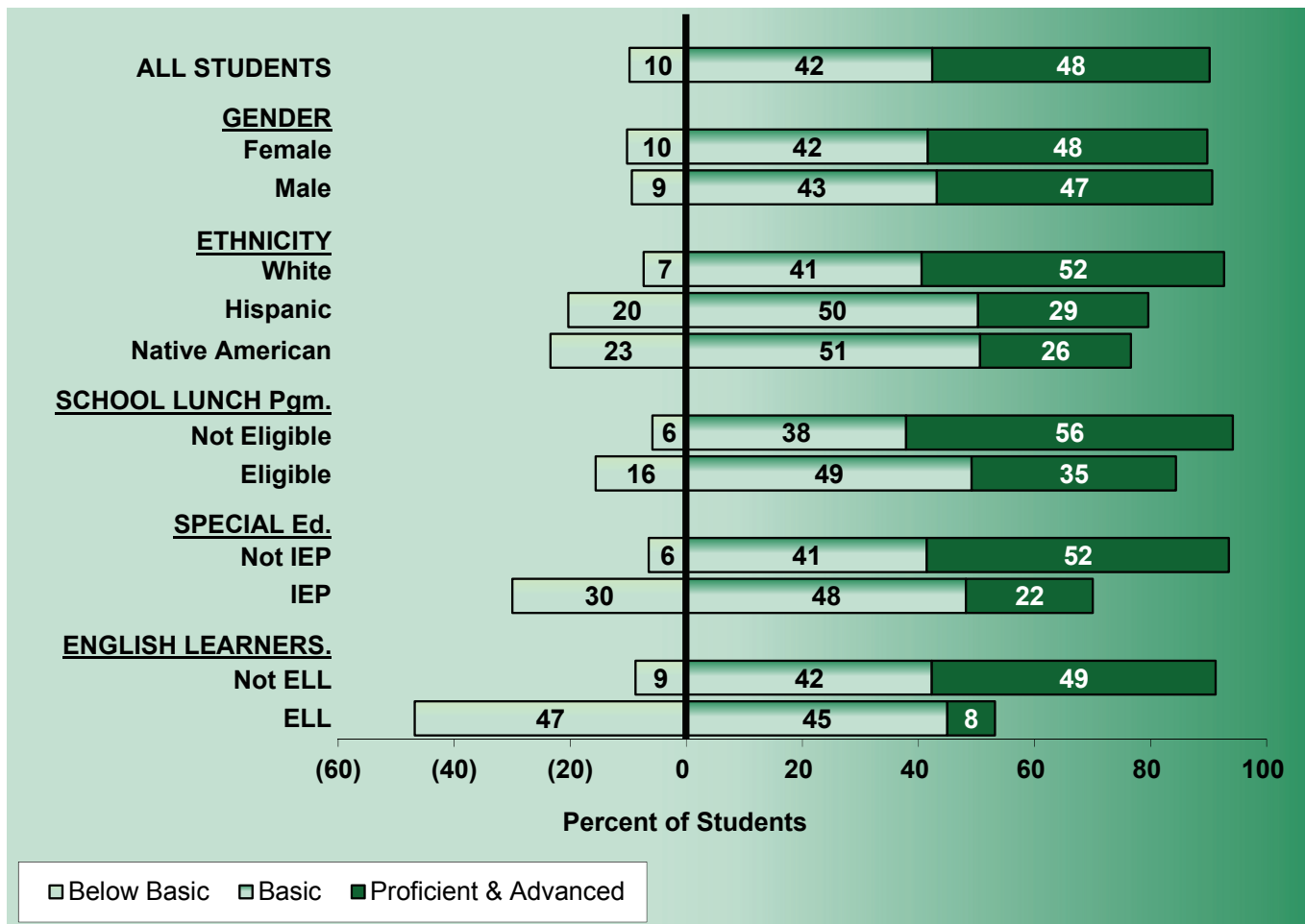
- ▶ In 2013, Wyoming fourth graders' average scale score in mathematics was higher than students nationally; Wyoming also had higher results in eight student groups: both male and female students, Hispanic students, students from low income families (i.e., students qualifying for free or reduced price meals from the National School Lunch Program), Special Education students, and students in city, town, or rural schools (as defined by the US Census Bureau).
- ▶ Wyoming fourth graders in suburban schools had average scale scores in mathematics that were not reliably different from their peers nationally. This was also true too for White and Native American students, and for English Language Learners (ELLs).
- ▶ Wyoming average scale scores were lower than the rest of the nation in one of the state's largest students groups:
  - Non-eligible students (i.e., students *not* qualifying for free or reduced price meals from the National School Lunch Program—60% of Wyoming's 4th graders).

## 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 2013 mathematics assessment, the proportion of fourth grade female students in Wyoming scoring at or above *Basic* (90 percent) was not reliably different than male students (91 percent).
- ▶ The proportion of fourth grade Hispanic (79 percent) and Native American (77 percent) students in Wyoming scoring at or above *Basic* was lower than White students (93 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* (84 percent) was lower than students not eligible for the program (94 percent).
- ▶ Special education students scoring at or above *Basic* (70 percent) was lower than general education students (93 percent).
- ▶ ELL students scoring at or above *Basic* (53 percent) was lower than non-English learners (91 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/Programs/statewide\\_assessment\\_system/naep.aspx](http://edu.wyoming.gov/Programs/statewide_assessment_system/naep.aspx).