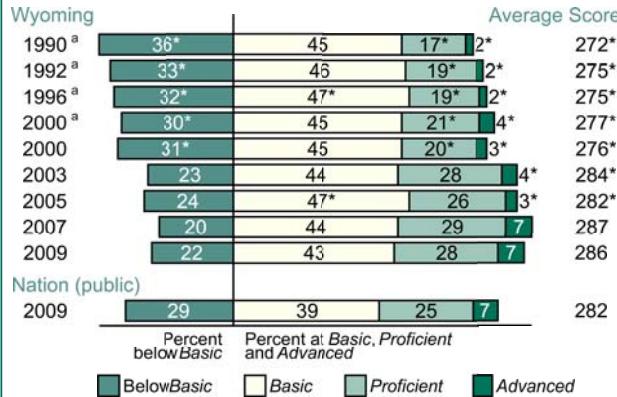


Overall Results

- In 2009, the average score of eighth-grade students in Wyoming was 286. This was higher than the average score of 282 for public school students in the nation.
- The average score for students in Wyoming in 2009 (286) was not significantly different from their average score in 2007 (287) and was higher than their average score in 1990 (272).
- In 2009, the score gap between students in Wyoming at the 75th percentile and students at the 25th percentile was 42 points. This performance gap was not significantly different from that of 1990 (40 points).
- The percentage of students in Wyoming who performed at or above the NAEP Proficient level was 35 percent in 2009. This percentage was not significantly different from that in 2007 (36 percent) and was greater than that in 1990 (19 percent).
- The percentage of students in Wyoming who performed at or above the NAEP Basic level was 78 percent in 2009. This percentage was not significantly different from that in 2007 (80 percent) and was greater than that in 1990 (64 percent).

Achievement-Level Percentages and Average Score Results

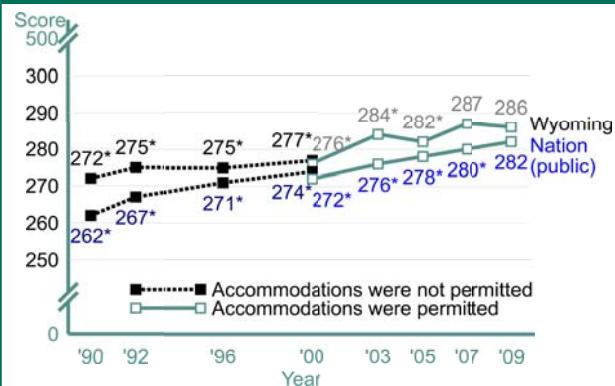


* Significantly different ($p < .05$) from state's results in 2009.

^a Accommodations not permitted.

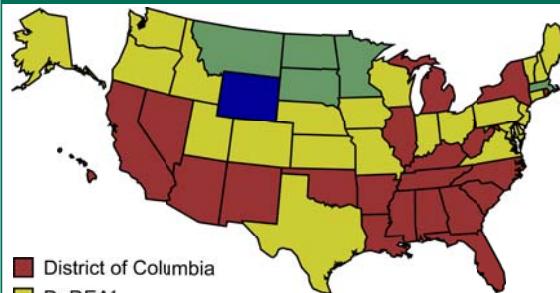
NOTE: Detail may not sum to totals because of rounding.

Compare the Average Score to Nation (public)



* Significantly different ($p < .05$) from 2009.

Compare at or above Basic to Other States/Jurisdictions



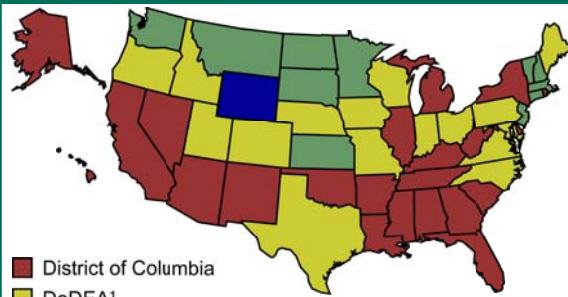
¹ Department of Defense Education Activity schools (domestic and overseas).

In 2009, the percentage at or above Basic in Wyoming was

- lower than those in 5 states/jurisdictions
- higher than those in 22 states/jurisdictions
- not significantly different from those in 24 states/jurisdictions

^a This section has been customized and may contain non-NAEP assessment content.

Compare the Average Score in 2009 to Other States/Jurisdictions

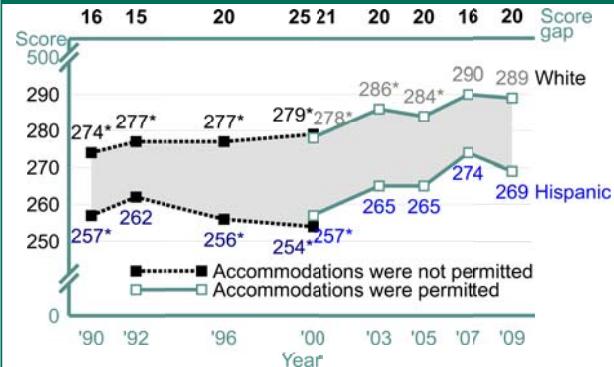


¹ Department of Defense Education Activity schools (domestic and overseas).

In 2009, the average score in Wyoming was

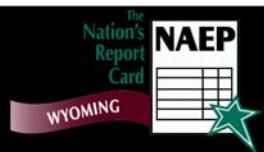
- lower than those in 11 states/jurisdictions
- higher than those in 23 states/jurisdictions
- not significantly different from those in 17 states/jurisdictions

White – Hispanic Score Gap



* Significantly different ($p < .05$) from 2009.

Wyoming Mathematics 2009

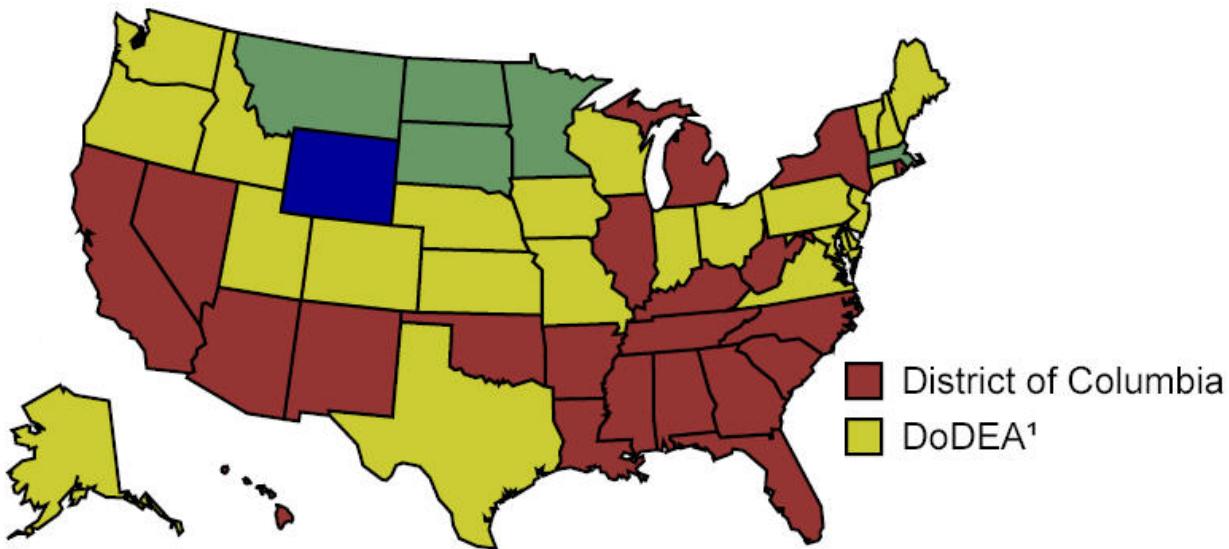


Grade 8 Report

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 262 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 299 reflects *Proficient* results or competency on challenging material, and 333 is considered to be *Advanced*.

Wyoming and the Nation — Grade 8 Math, At or Above Basic



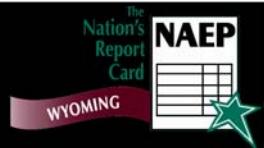
In 2009, the percentage at or above *Basic* in Wyoming was:

- lower than those in 5 states/jurisdictions
- higher than those in 22 states/jurisdictions
- not significantly different from those in 24 states/jurisdictions

¹ Department of Defense Education Activity schools (domestic and overseas).

- ▶ On the 2009 mathematics assessment, the percentage of Wyoming 8th graders scoring at or above NAEP *Basic* was reliably higher in Alabama, Arizona, Arkansas, California, District of Columbia, Florida, Georgia, Hawaii, Illinois, Kentucky, Louisiana, Michigan, Mississippi, Nevada, New Mexico, New York, Oklahoma, North Carolina, Rhode Island, South Carolina, Tennessee, and West Virginia.
- ▶ The percentage of Wyoming 8th graders at or above NAEP *Basic* was not statistically different from the percentage of students in Alaska, Colorado, Connecticut, Delaware, Department of Defense Schools, Idaho, Indiana, Iowa, Kansas, Maine, Maryland, Missouri, Nebraska, New Hampshire, New Jersey, Ohio, Oregon, Pennsylvania, Texas, Utah, Vermont, Virginia, Washington, and Wisconsin.
- ▶ Wyoming had a percentage of 8th grade students at or above NAEP *Basic* which was reliably lower than the percentage of students in Massachusetts, Minnesota, Montana, North Dakota, and South Dakota.

Wyoming Mathematics 2009



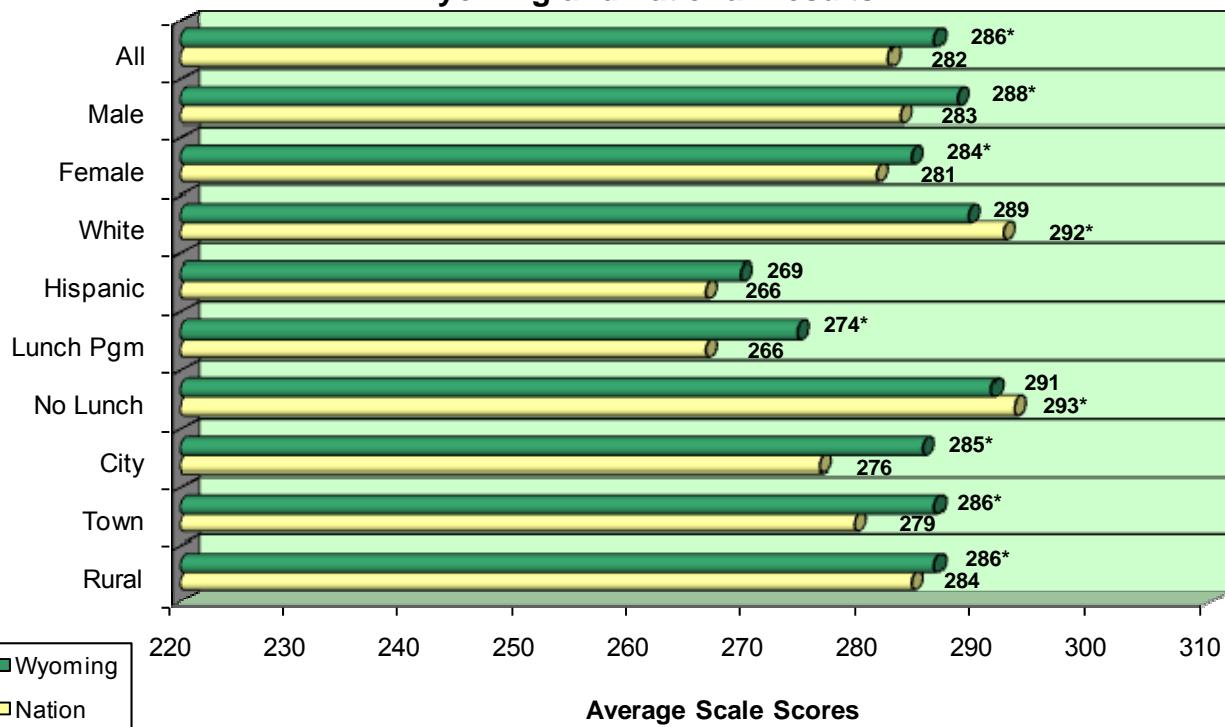
Grade 8 Report

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 262 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 299 reflects *Proficient* results or competency on challenging material, and 333 is considered to be *Advanced*.

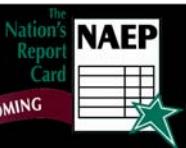
Student Group Comparisons

Wyoming and National Results



- ▶ In 2009, Wyoming eighth graders' average scale score in mathematics was higher than students nationally; Wyoming also had higher results students in six student groups: male and female students, students from low income families (i.e., students qualifying for free or reduced price meals from the National School Lunch Program); and students in city, town, and rural schools (as specified by the US Census Bureau).
- ▶ Wyoming Hispanic eighth graders had an average scale score in mathematics that was not reliably different from Hispanic students nationally.
- ▶ Two groups of Wyoming eighth graders—White students, and students not qualifying for free or reduced price meals from the National School Lunch Program—had average scale scores in mathematics lower than their national peer groups.

Wyoming Mathematics 2009

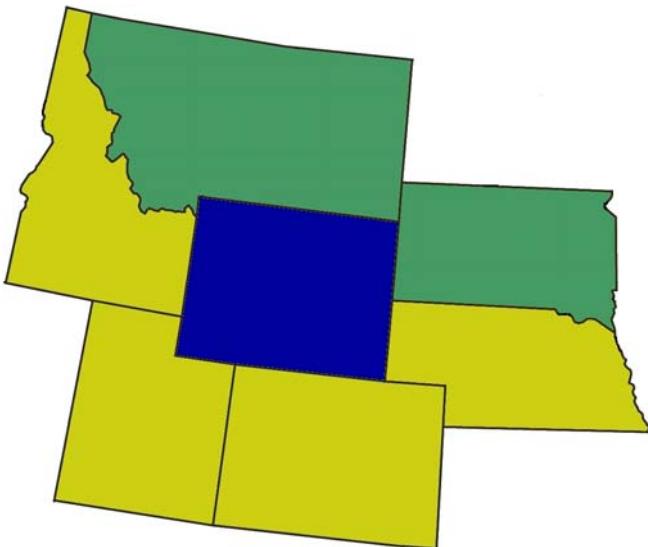


Grade 8 Report

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 262 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 299 reflects *Proficient* results or competency on challenging material, and 333 is considered to be *Advanced*.

Average Scale Scores

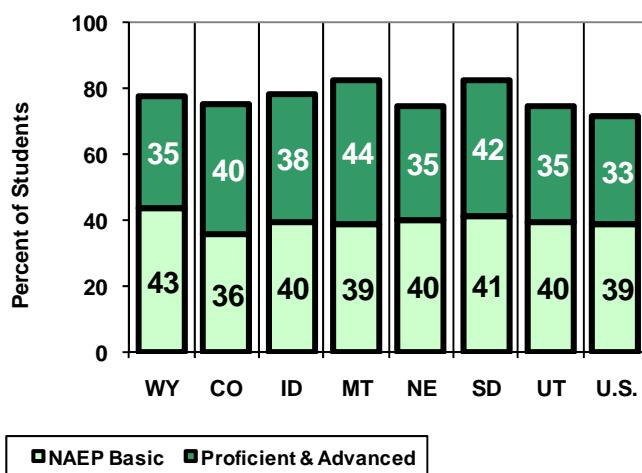


Legend: Wyoming (blue) is the focal state. States in green scored reliably higher than Wyoming. States in yellow were not statistically different from Wyoming. States in red scored reliably lower than Wyoming.

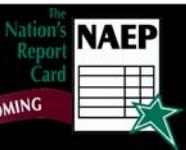
- In 2009, the average mathematics scale score for 8th grade students in Wyoming was 286; this was reliably higher than the national average (282).
- Wyoming eighth graders had an average mathematics scale score in 2009 that was not statistically different from Colorado, Idaho, Nebraska or Utah.
- Wyoming 8th graders had a lower average mathematics scale score in 2009 than their peers in Montana, and South Dakota

Achievement Levels

- Seventy-eight (78) percent of Wyoming's 8th graders scored at or above *Basic* on the 2009 mathematics assessment. This was higher than the nation's 71%
- The percentage of Wyoming's 8th graders scoring at or above *Basic* on mathematics in 2009 was not reliably different from Colorado, Idaho, Nebraska and Utah.
- Wyoming had a lower percentage of 8th graders scoring at or above *Basic* on the 2009 mathematics assessment than Montana and South Dakota.



Wyoming Mathematics 2009

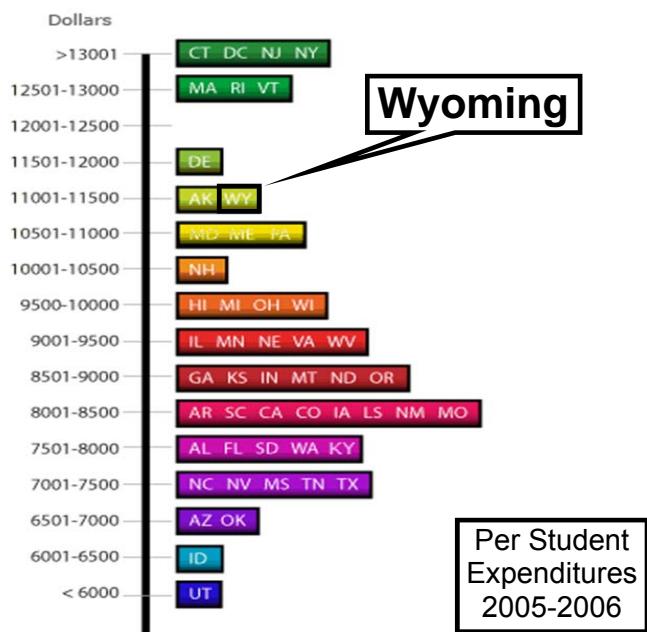


Grade 8 Report

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 262 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 299 reflects *Proficient* results or competency on challenging material, and 333 is considered to be *Advanced*.

Per Capita Student Expenditures During 2005-2006



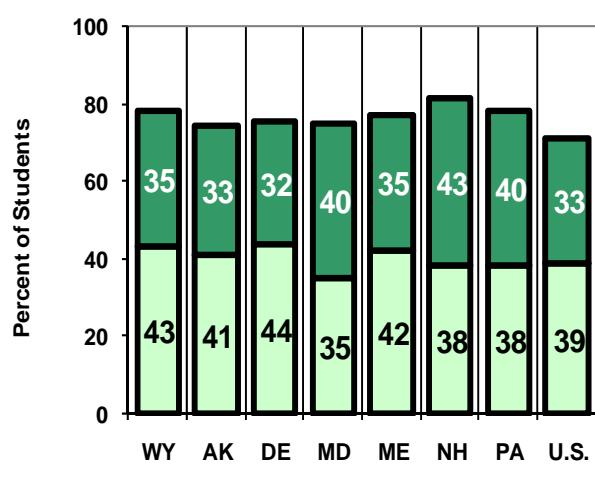
- Wyoming reported per student expenditures of \$11,437 during school year 2005-2006 (most recent data available). Other states spending within \$1,000 of Wyoming's per student spending that year were Alaska, Delaware, Maine, Maryland, New Hampshire, and Pennsylvania.

NOTE: The expenditures include instruction-related, support services, and other elementary/secondary current expenditures, but exclude expenditures on capital outlay, other programs, and interest on long-term debt. National average: \$9,337 Median: \$8,645

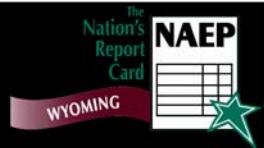
SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data (CCD), "National Public Education Financial

Achievement Levels

- Seventy-eight (78) percent of Wyoming 8th graders scored at or above *Basic* on the 2009 mathematics assessment. This was higher than the nation's 71 percent.
- The percentage of Wyoming 8th graders scoring at or above *Basic* on the 2009 mathematics assessment was not reliably different from Alaska, Delaware, Maryland, Maine, New Hampshire, or Pennsylvania, i.e., other states with similar per student expenditures as in Wyoming.



Wyoming Mathematics 2009

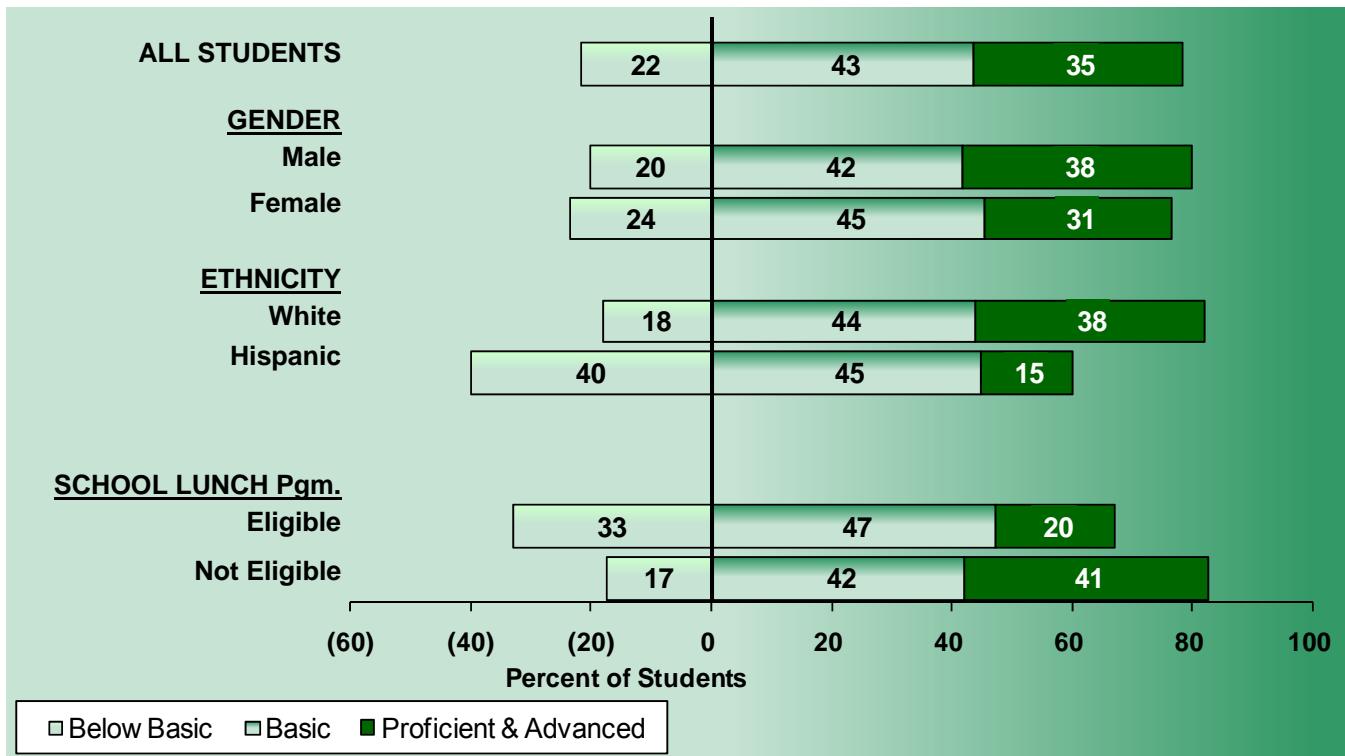


Grade 8 Report

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 262 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 299 reflects *Proficient* results or competency on challenging material, and 333 is considered to be *Advanced*.

Student Groups in Wyoming



- ▶ On the NAEP 2009 mathematics assessment, the proportion of eighth grade male students in Wyoming scoring at or above *Basic* (80 percent) was not reliably different than female students (76 percent).
- ▶ The proportion of eighth grade White students in Wyoming scoring at or above *Basic* (79 percent) was higher than their Hispanic (57 percent) and Native American (54 percent) peers. Sampling was not sufficient to permit reporting of mathematics performance for eighth grade Black and Asian students.
- ▶ Wyoming eighth graders qualifying for free or reduced price meals in the National School Lunch Program and scoring at or above *Basic* (65 percent) was lower than students not eligible for the program (81 percent).