

2013 NAEP: CO Reading 4th Grade Results Graphics

2013 Reading Grade 4: Average Scale Score (Figure 1)

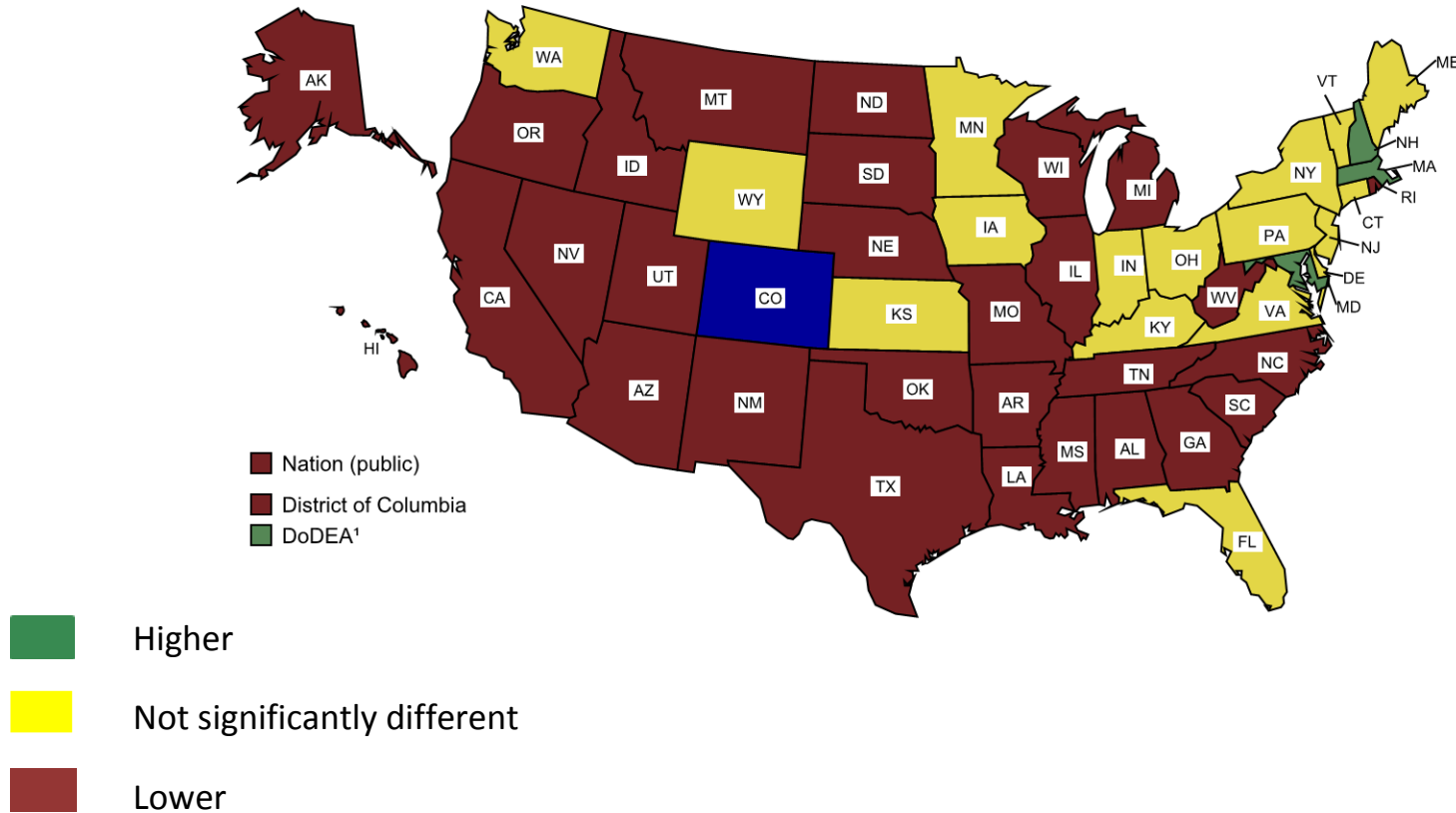


Figure 1 shows how Colorado 4th graders performed in the 2013 NAEP *Reading* assessment in comparison to the other 49 states, the District of Columbia and the Department of Defense schools. This is a comparison using the average scale score

for each state. States shaded green scored higher than Colorado. Yellow-shaded states scored the same and red-shaded states scored lower. Because NAEP results are based on samples, there is a margin of error associated with each score or percentage. Therefore, only those differences in scores or percentages that meet NAEP’s standards for statistical significance are reported.

2013 Reading Grade 4: Comparison to other states (Table 1)

Table 1 shows how Colorado 4th graders performed in comparison to other states in average scale score. CO, the focal state, is shaded blue. States shaded green performed higher than CO. Massachusetts, Department of Defense, Maryland and New Hampshire scored higher. States/jurisdictions that are shaded yellow performed about the same as CO. The 17 states that scored the same as CO are shaded yellow and listed below in rank order with their respective scores. The 30 states that are shaded rose scored lower than Colorado. All states are show with their respective scores.

Rank Order	2013 NAEP Grade 4 Reading Average Scale Score	2013 Scale Score
1	Massachusetts	232.37
2	Department of Defense	232.11
3	Maryland	232.06
4	New Hampshire	232.00
5	Connecticut	229.58
6	New Jersey	228.72
7	Virginia	228.56
8	Vermont	227.99
9	Florida	227.46

10	Minnesota	227.03
11	Colorado	226.66
12	Pennsylvania	226.40
13	Wyoming	225.85
14	Delaware	225.77
15	Indiana	225.33
16	Washington	225.05
17	Maine	224.83
18	Kentucky	224.43
19	North Dakota	224.08
20	Ohio	223.89
21	Iowa	223.82
22	New York	223.81
23	Kansas	223.39
24	Nebraska	223.25
25	Montana	222.98
26	Rhode Island	222.80
27	Utah	222.77
28	Missouri	222.33
29	North Carolina	222.23
30	Georgia	221.84
31	Wisconsin	220.82
32	Tennessee	219.74
33	Idaho	219.30
34	Oregon	219.13
35	Alabama	218.58
36	Illinois	218.54
37	Arkansas	218.52
38	South Dakota	217.93
39	Michigan	217.37

40	Oklahoma	216.99
41	Texas	216.91
42	Hawaii	214.84
43	West Virginia	214.66
44	Nevada	213.76
45	South Carolina	213.65
46	Arizona	213.13
47	California	212.55
48	Louisiana	210.45
49	Alaska	209.35
50	Mississippi	208.52
51	New Mexico	205.76
52	District of Columbia	205.61

How Colorado Compares to Other States/Jurisdictions in Average Scale Score (Figure 2)

	4 th Grade
	Reading
Number of States Scoring <u>Better</u> than Colorado	4
Number of States/Jurisdictions Scoring the <u>Same</u> as Colorado	17
Number of States/Jurisdictions Scoring <u>Lower</u> than Colorado	30

Figure 2 shows how Colorado performed in comparison to other states/jurisdictions in the grade 4 2013 NAEP *Reading* assessment in average scale score. Four states/jurisdictions performed higher than CO. Seventeen states/jurisdictions scored the same as CO. Last, thirty states scored lower than CO.

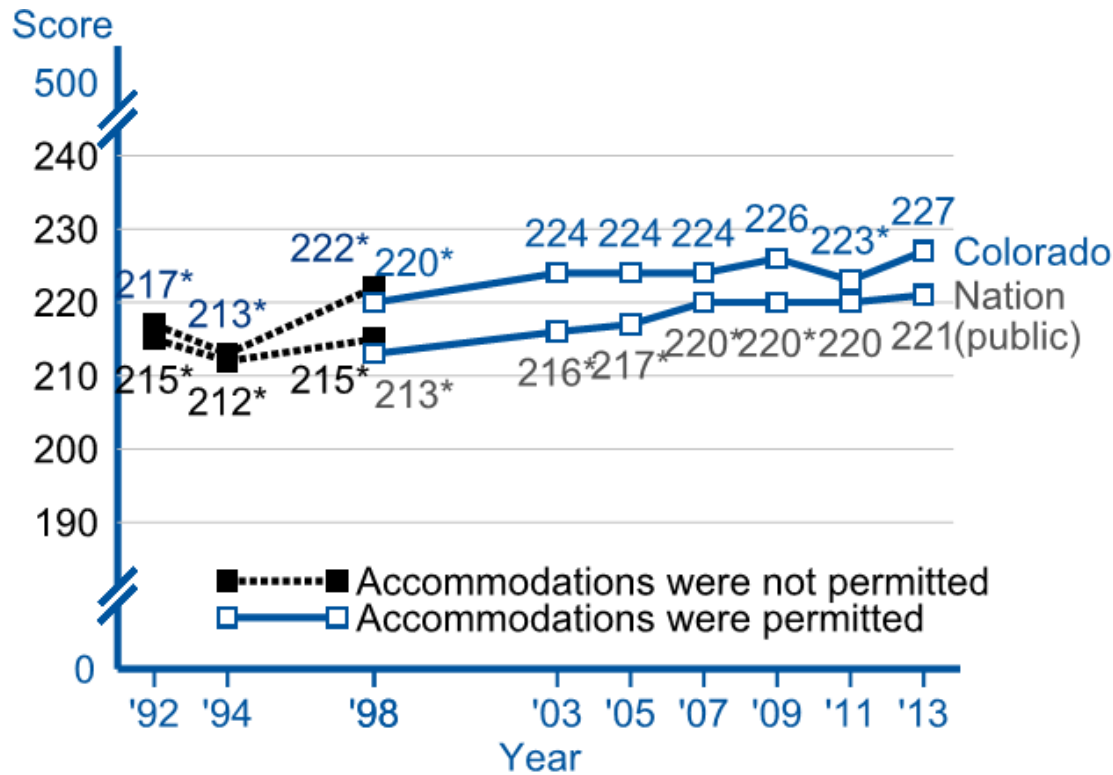
Average Scale Score: CO v. the National Public (Figure 3)

	4 th Grade
	Reading
Colorado	*227↑
National Public	221
Did Colorado perform (statistically) significantly higher than the National Public?	Yes

* Significantly higher than 2011

Figure 3 shows how CO compares to the National Public in the 2013 grade 4 NAEP *Reading* assessment in average scale score. CO had an average scale score of 227 and the National Public sample had a score of 221. CO performed significantly higher than the National Public in the reading assessment. CO scored significantly higher than in the 2011 test. The National Public did not score differently than in the 2011 test.

2013 Reading Grade 4: Average Scores Trend for CO and Nation (public) (Figure 4)



***/*Significantly different than 2013**

Figure 4 shows a comparison of the grade 4 *reading* trend results from 1992 to 2013 for CO and the National Public using average scale score. A score with an asterisk means that it is significantly different than the 2013 score. There are no scores between 1998 and 2003 as CO did not participate in testing those years.

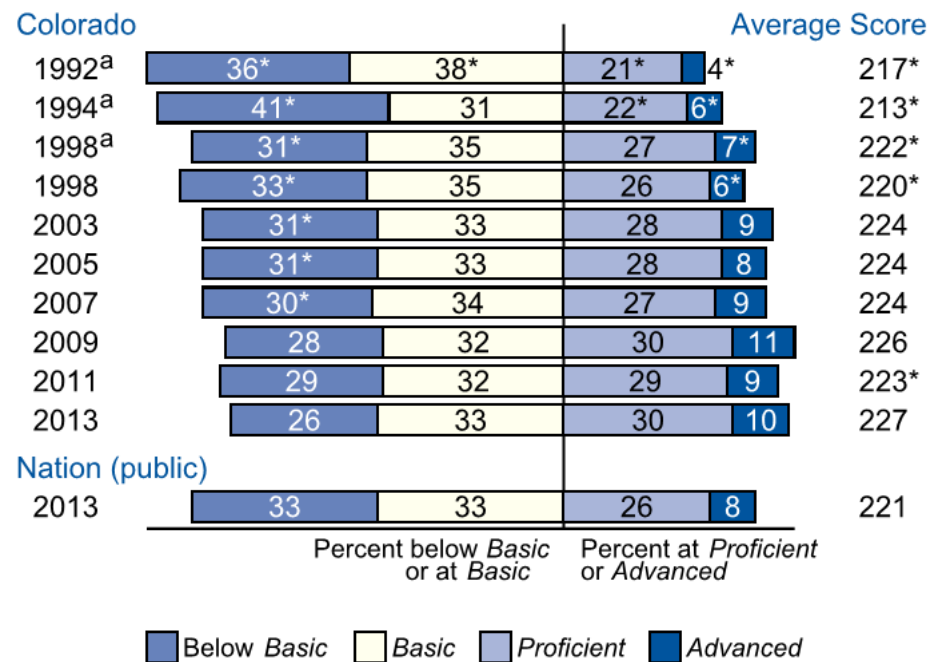
Percent of Students Scoring at *Proficient* or Above (Figure 5)

	4 th Grade
	Reading
Colorado	41 ↑
National Public	*34
Did Colorado perform (statistically) significantly higher than the National Public?	Yes

* Significantly higher than 2011

Figure 5 shows the percent of students for CO and the National Public scoring at the *Proficient* and above achievement (*Proficient and Advanced*) on the 2013 grade four reading test. CO had 41 percent of its students that scored at the *Proficient* and above achievement levels. The National Public had 34 percent of the students that scored at the *Proficient* and above achievement levels. Colorado had significantly more students score at *Proficient* and above than the National Public. The National Public had a higher percentage of students scoring at *Proficient* or above in 2013 than in 2011. Colorado did not have any significant difference in students scoring at *Proficient* or above in 2013 compared to 2011.

Achievement Level Percentages and Average Score Results (Figure 6)



*** Significantly different from state results in 2013**

a Accommodations not permitted

Figure 6 shows the following:

- In 2013, the average score of fourth-grade students in Colorado was 227. This was higher than the average score of 221 for public school students in the nation.
- The average score for students in Colorado in 2013 (227) was higher than their average score in 2011 (223) and in 1992 (217).
- The percentage of students in Colorado who performed at or above the NAEP Proficient level was 41 percent in 2013. This percentage was not significantly different from that in 2011 (39percent) and was greater than that in 1992 (25 percent).
- The percentage of students in Colorado who performed at or above the NAEP Basic level was 74 percent in 2013. This percentage was not significantly different from that in 2011 (71percent) and was greater than that in 1992 (64 percent).

NOTE: Statistical comparisons are calculated on the basis of unrounded scale scores or percentages.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1992, 1996, 2003, 2005, 2007, 2009, 2011 and 2013 Reading Assessments.

2013 NAEP: CO Reading 8th Grade Results Graphics

2013 Reading Grade 8: Average Scale Score (Figure 1)

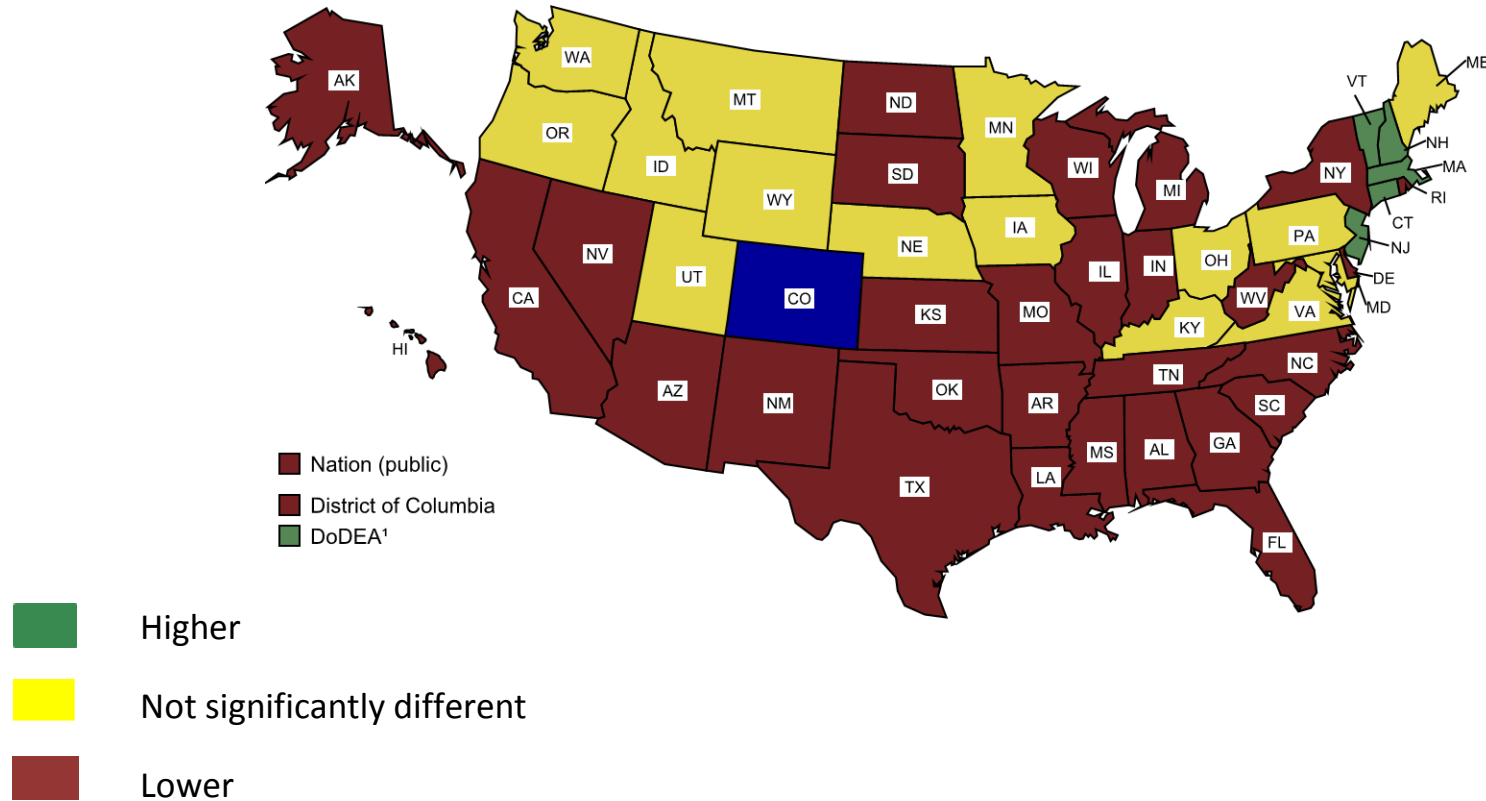


Figure 1 shows how Colorado 8th graders performed in the 2013 NAEP *Reading* assessment in comparison to the other 49 states, the District of Columbia and the Department of Defense schools. This is a comparison using the average scale score for each state. States shaded green scored higher than Colorado. Yellow-shaded states scored the same and red-shaded states scored lower. Because NAEP results are based on samples, there is a margin of error associated with each score or percentage. Therefore, only those differences in scores or percentages that meet NAEP’s standards for statistical significance are reported.

2013 Reading Grade 8: Comparison to other states (Table 1)

Table 1 shows how Colorado 8th graders performed in comparison to other states in average scale score. CO, the focal state, is shaded blue. States shaded green performed higher than CO. Massachusetts, Department of Defense schools, New Jersey, Connecticut, Vermont and New Hampshire scored higher. States/jurisdictions that are shaded yellow performed about the same as CO. The 15 states that scored the same as CO are shaded yellow and listed below in rank order with their respective scores. The states that are shaded rose scored lower than Colorado. The 30 states that scored lower than CO are listed below in rank order with respective scores.

Rank Order	2013 NAEP Grade 8 Reading Average Scale Score	2013 Scale Score
1	Massachusetts	277.01
2	Department of Defense	276.99
3	New Jersey	276.38
4	Connecticut	274.46
5	Vermont	274.37
6	New Hampshire	274.31
7	Maryland	273.80
8	Pennsylvania	272.09

9	Washington	272.04
10	Montana	271.77
11	Minnesota	271.02
12	Colorado	271.01
13	Wyoming	270.97
14	Idaho	270.22
15	Utah	270.04
16	Kentucky	269.62
17	Nebraska	269.22
18	Maine	269.19
19	Ohio	269.09
20	Iowa	269.00
21	Oregon	268.28
22	South Dakota	268.10
23	North Dakota	267.78
24	Virginia	267.59
25	Wisconsin	267.54
26	Indiana	267.27
27	Missouri	267.22
28	Illinois	266.90
29	Kansas	266.89
30	Rhode Island	266.68
31	New York	266.35
	National public	266.02
32	Delaware	265.98
33	Michigan	265.94
34	Florida	265.83
35	Tennessee	265.36
36	Georgia	264.62
37	North Carolina	264.54

38	Texas	263.68
39	Arkansas	261.96
40	Oklahoma	261.93
41	Nevada	261.70
42	California	261.50
43	South Carolina	261.45
44	Alaska	261.26
45	Arizona	260.45
46	Hawaii	259.96
47	Alabama	257.43
48	West Virginia	257.38
49	Louisiana	257.35
50	New Mexico	255.87
51	Mississippi	253.15
52	District of Columbia	247.74

How Colorado Compares to Other States/Jurisdictions in Average Scale Score (Figure 2)

	8 th Grade
	Reading
Number of States Scoring <u>Better</u> than Colorado	6
Number of States/Jurisdictions Scoring the <u>Same</u> as Colorado	15
Number of States/Jurisdictions Scoring <u>Lower</u> than Colorado	30

Figure 2 shows how Colorado performed in comparison to other states/jurisdictions in the grade 8 2013 NAEP *Reading* assessment in average scale score. Six states performed higher than CO. Fifteen states/jurisdictions scored the same as CO. Last, thirty states scored lower than CO.

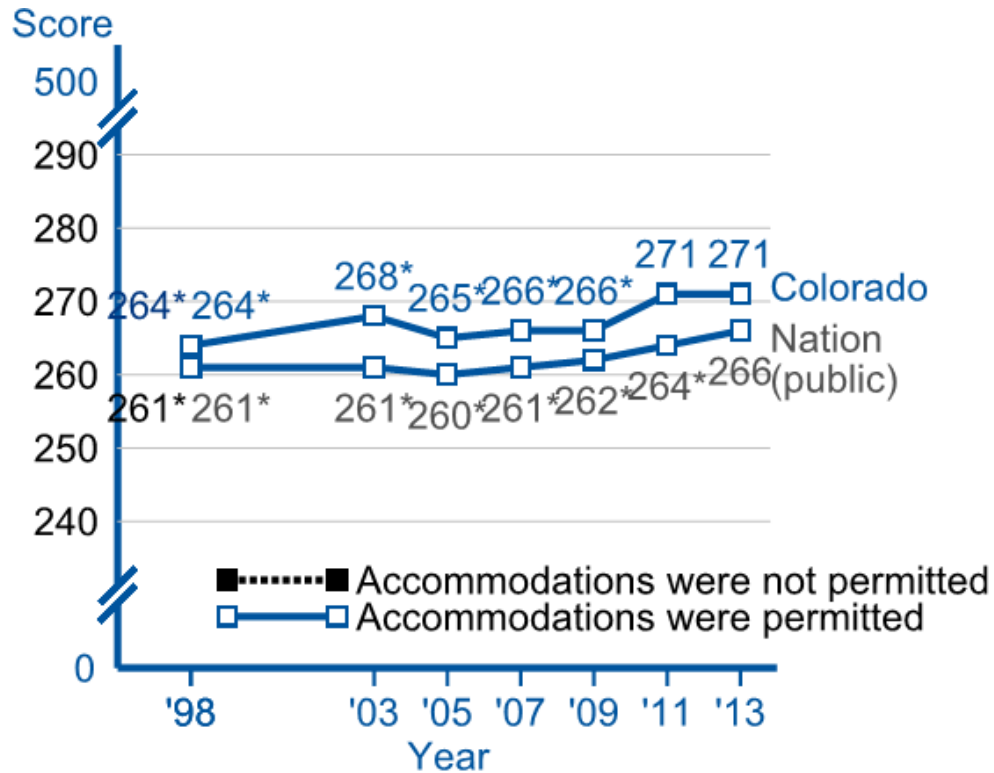
Average Scale Score: CO v. the National Public (Figure 3)

	4 th Grade
	Reading
Colorado	271↑
National Public	*266
Did Colorado perform (statistically) significantly higher than the National Public?	Yes

* Significantly higher than 2011

Figure 3 shows how CO compares to the National Public in the 2013 grade 8 NAEP *Reading* assessment in average scale score. CO had an average scale score of 271 and the National Public sample had a score of 266. CO performed significantly higher than the National Public in the reading assessment. The National Public scored significantly higher than in the 2011 test. CO did not score differently than in the 2011 test.

2013 Reading Grade 8: Average Scores Trend for CO and Nation (public) (Figure 4)



***/*Significantly different than 2013**

Figure 4 shows a comparison of the grade 8 *reading* trend results from 1998 to 2013 for CO and the National Public using average scale score. A score with an asterisk means that it is significantly different than the 2013 score. There are no scores between 1998 and 2003 as CO did not participate in testing those years.

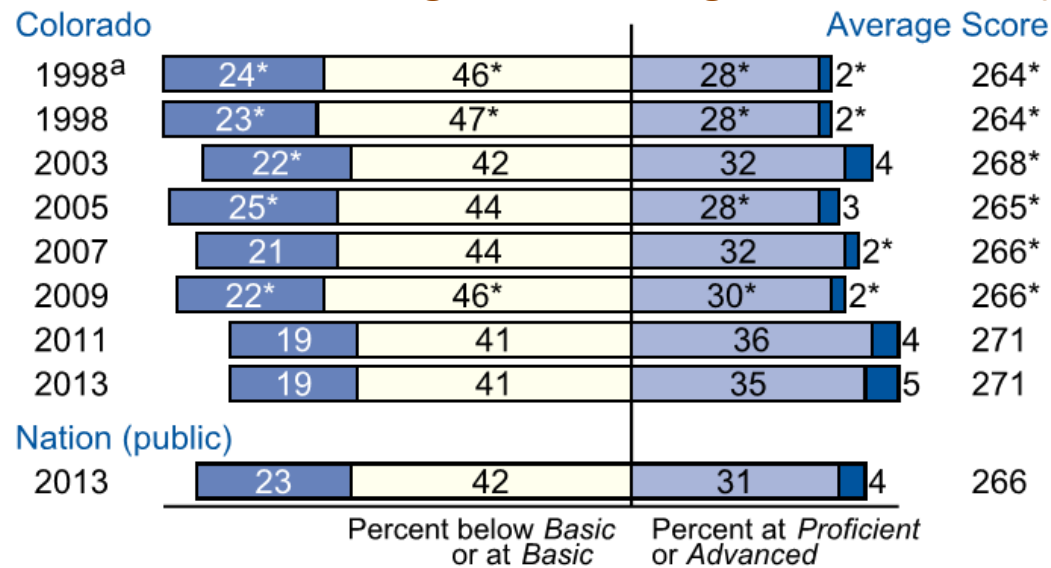
Percent of Students Scoring at *Proficient* or Above (Figure 5)

	8 th Grade
	Reading
Colorado	40↑
National Public	*34
Did Colorado perform (statistically) significantly higher than the National Public?	Yes

* Significantly higher than 2011

Figure 5 shows the percent of students for CO and the National Public scoring at the *Proficient* and above achievement (*Proficient and Advanced*) on the 2013 grade eight reading test. CO had 40 percent of its students that scored at the *Proficient* and above achievement levels. The National Public had 34 percent of the students that scored at the *Proficient* and above achievement levels. Colorado had significantly more students score at *Proficient* and above than the National Public in the 2013 NAEP 4th grade reading test. The National Public had a higher percentage of students scoring at *Proficient* or above in 2013 than in 2011. Colorado did not have any significant difference in students scoring at *Proficient* or above in 2013 compared to 2011.

Achievement Level Percentages and Average Score Results (Figure 6)



■ Below *Basic* □ *Basic* ■ *Proficient* ■ *Advanced*

* Significantly different from state results in 2013
 a Accommodations not permitted

Figure 6 shows the following:

- In 2013, the average score of eighth-grade students in Colorado was 271. This was higher than the average score of 266 for public school students in the nation.
- The average score for students in Colorado in 2013 (271) was not significantly different from their average score in 2011 (271) and was higher than their average score in 1998 (264).
- The percentage of students in Colorado who performed at or above the NAEP Proficient level was 40 percent in 2013. This percentage was not significantly different from that in 2011 (40 percent) and was greater than that in 1998 (30 percent).
- The percentage of students in Colorado who performed at or above the NAEP Basic level was 81 percent in 2013. This percentage was not significantly different from that in 2011 (81 percent) and was greater than that in 1998 (77 percent).

NOTE: Statistical comparisons are calculated on the basis of unrounded scale scores or percentages.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 1998, 2003, 2005, 2007, 2009, 2011 and 2013 Reading Assessments.