

FACT SHEET: National Assessment of Educational Progress 2019 Results

****Correction - October 30, 2019:** In the fact sheet included in with the press release originally reported the 2017 **Reading** score for “not white” students in Grade Four as 212. A decrease of **seven** points between 2017-2019 was also reported (page 3). The correct number for 2017 Reading for this group was 214, for a **five** point increase. We also used “**reading**” was used in place of “**mathematics**” under “Grade Four Mathematics in the **Summary of Results** on page 2,” The corrections are underlined below. We regret the error.

Key Takeaways

- On the national level, most states saw little or no improvement in either reading or math at both grades levels that were assessed, with their lowest-performing students showing the most significant declines in scores.
- VT students scored above the national average in reading at the fourth and eighth grade levels, and in mathematics at the eighth grade level in 2019.
- VT students scored below the national average in Grade Four Mathematics in 2019.
- VT students scored (significantly) lower across grades, subject and subgroups in 2019 compared to 2017. Mathematics scores for National School Lunch Program (NSLP) students in grades Four and Eight and those of White students in Grade Eight remained unchanged compared to 2017.
- Although the overall math scores (287) decreased in Grade Eight in 2019 compared to previous years, scores were higher in Algebra (289) and measurement (290). Scores went up for the highest scoring students (90th percentile) compared to 2019 in measurements and geometry. Scores are unchanged in algebra and in numbers and operations in Grade Eight.
- Scores in “gain information” were higher in Grade Eight reading (271) than in “literacy experience” (265) in 2019.
- Scores were lower in “gain information” in Grade Four reading (219) than in “literacy experience” (224) for the lowest performing students (10th percentile). The opposite was true for the highest performing students (90th percentile) who scored higher in “gain information (270) than in “literacy experience” (267).
- Vermont schools that offered Mathematic competitions in 2019 in Grade Eight Math scored higher compared to schools that did not. In addition, schools that offered math clubs and/or chess clubs scored higher compared to schools that did not.
- Vermont schools that offered “Family Math nights” scored lower compared to schools that did not offer family math nights.
- Schools that largely prepared students for state assessment in reading scored significantly lower (218) in 2019 than schools that moderately prepared student for state assessment in reading (224).
- Schools that moderately prepared students for state assessment in reading scored lower than schools that only prepared students for a small amount of time.

Summary of Results

Mathematics

Grade Four

In 2019, the average scale score for students in Vermont was 239. This was lower but not significantly different from that of students across the nation (240). This score is lower however than that in 2017 (241). Scores in Grade Four ~~Reading~~ Mathematics have been declining since 2003 in Vermont. The average scale score in Vermont was higher than 9 states, not significantly different from 24 states and lower than 18 states.

Grade Eight

In 2019, the average scale score for students in Vermont was 287. This was higher than the national average (281). This is not significantly different from that in 2017, with a one-point drop. The score has been declining for since 2007 with the exception of 2017. The average scale score for students in Vermont was higher than 32 states, not significantly different from 15 states and lower than 4 states.

Reading

Grade Four

In 2019, the score for students in Vermont was 222. This was higher than the national average (219). This score is however lower than that of students in 2017 (226). This is a national trend. Similarly, in Vermont the average scale score for students has been declining since 2002 and has not made gains since then. The average scale score for Vermont was higher than 21 states, not significantly different from 24 states and lower than 6 jurisdictions.

Grade Eight

In 2019, the average scale score for students in Vermont was 268. This is higher than the national average but lower than 2017 (273). There is a drop of 8 points nationwide. With exception of 2002 and 2005, scores have been declining since 2002 in Vermont. The average scale score for students in Vermont was higher than 39 states, not significantly different from 10 states and lower than two states.

NAEP Scores

Reading <i>Reading Proficiency levels: 238 in Grade 4 and 281 in Grade 8</i>	Grade 4 2017	Grade 4 2019	Grade 8 2017	Grade 8 2019
Vermont (* indicates significant difference compared to 2017)	226	222*	273	268*
National Public (* indicates significant difference compared to VT)	221*	219*	265*	262*
Difference (compared to national Public Schools (↑↓↔))	5↑	3↑	8↑	6↑
Difference (compared to NAEP Proficiency (↑↓↔))	12↓	16↓	8↓	13↓

↑: Increase, ↓: Decrease; ↔ unchanged

Mathematics <i>Mathematics Proficiency levels: 249 in Grade 4, 299 in Grade 8</i>	Grade 4 2017	Grade 4 2019	Grade 8 2017	Grade 8 2019
Vermont (* indicates significant difference compared to 2017)	241	239*	288	287
National Public (* indicates significant difference compared to VT)	239*	240	282*	281*
Difference (compared to national Public (↑↓↔))	2↑	1↓	6↑	6↑
Difference (compared to NAEP Proficiency (↑↓↔))	8↓	10↓	11↓	12↓

↑: Increase, ↓: Decrease; ↔ unchanged

Grade 4 Students	Math 2017	Math 2019	Math Difference	Reading 2017	Reading 2019	Reading Difference
All Students	241*	239	2↓*	226*	222*	4↓
<i>White</i>	241	240	1↓	228*	222*	6↓
<i>Not White</i>	237	231	6↓	212 214*	219*	7↓ 5↑

Grade 4 Students	Math 2017	Math 2019	Math Difference	Reading 2017	Reading 2019	Reading Difference
<i>National School Lunch Program Eligible</i>	229	229	0↔	211*	206*	5↓
<i>Not National School Lunch Program Eligible</i>	249	246	3↓	237	232*	5↓
<i>Male</i>	241	240	1↓	223	218*	5↓
<i>Female</i>	240	237*	3↓	230*	226	4↓
<i>Students with Disabilities</i>	207*	206	1↓	180*	178	2↓
<i>Students without Disabilities</i>	248	246	2↓	236	232	4↓

↑: Increase, ↓: Decrease; ↔ unchanged

* significantly different

Grade 8 Students	Math 2017	Math 2019	Math Difference	Reading 2017	Reading 2019	Reading Difference
All Students	288*	287	1↓	273*	268	5↓
<i>White</i>	288	288	↔	274*	269	5↓
<i>Not White</i>	284	277	7↓	264*	261	3↓
<i>National School Lunch Program Eligible</i>	272	272	↔	260	257	3↓
<i>Not National School Lunch Program Eligible</i>	296	294	2↓	280*	275	5↓

Grade 8 Students	Math 2017	Math 2019	Math Difference	Reading 2017	Reading 2019	Reading Difference
<i>Male</i>	287*	286	1↓	267*	262	5↓
<i>Female</i>	288	287	1↓	281*	276	5↓
<i>Students with Disabilities</i>	251	251	↔	236	231	5↓
<i>Students without Disabilities</i>	296	295	1↓	282*	277	5↑

↑: Increase, ↓: Decrease; ↔ unchanged;

*significantly different