

## National Assessment of Educational Progress (NAEP) - Missouri

### 2024 Missouri NAEP Math Takeaway

In 2024, Missouri 4th graders scored nearly half a grade level worse than their 2019 peers on NAEP Math and ranked 35th in the nation. All Missouri 4th grade student groups scored worse on NAEP Math compared with their 2013 peers, which widened achievement gaps, most notably for black students who score a full grade level worse.

In 2024, Missouri 8th graders scored a grade level worse than their 2019 peers on NAEP Math, a trend that has persisted since 2013. Every Missouri 8th grade student group scored more than a full grade level worse on NAEP Math in 2024 than in 2013. Missouri 8th graders ranked 29th in the nation on NAEP Math in 2024.

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NAEP	Missouri 2024			Missouri 2019			Missouri 2013			Rank Difference 2019-2024	Rank Difference 2013-2024	Scale Score Difference 2019-2024	Scale Score Difference 2013-2024
	Scale Score	Rank	Gap	Scale Score	Rank	Gap	Scale Score	Rank	Gap				
Grade 4 Math Composite	235	35		238	34		240	38		-1	3	-3	-5
All Students	235	35		238	34		240	38		-1	3	-3	-5
White Students	241	43		244	41		245	43		-2	0	-2	-4
Black Students	209	36	32	216	38	28	219	39	26	2	3	-6	-10
Hispanic Students	227	15	14	234	10	9	233	23	12	-5	8	-7	-6
FRL Students	224	31	25	230	21	22	230	32	20	-10	1	-6	-6

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	Scale Score	Rank	Gap	Scale Score	Rank	Gap	Scale Score	Rank	Gap				
Grade 8 Math Composite	270	29		281	26		283	30		-3	1	-10	-13
All Students	270	29		281	26		283	30		-3	1	-10	-13
White Students	275	47		286	42		288	42		-5	-5	-10	-13
Black Students	245	33	31	258	23	28	260	27	28	-10	-6	-13	-16
Hispanic Students	262	9	14	268	27	17	276	17	12	18	8	-6	-14
FRL Students	255	37	29	267	23	27	271	25	23	-14	-12	-12	-15

**Notes:**

FRL: students receiving free/reduced lunch.

The rank is among the 50 states and DC for All, White, and FRL students. Representative student groups are reported for Black students in 40 states in 2024, 42 in 2019, and 44 in 2013 and Hispanic students in 48 states in 2024 and 2019 and 47 in 2013.

Gap is determined by the following variances in Scale Score: Black and Hispanic students compared to White students; FRL students compared to non-FRL students.

A 10 point difference in scale scores equals approximately one full grade level.

All calculations are performed to the 12th decimal. Rounding all values to the nearest whole number for reporting purposes accounts for the potential differences.



## National Assessment of Educational Progress (NAEP)

NAEP	National Public 2024		National Public 2019		National Public 2013		Scale Score Difference 2019-2024	Scale Score Difference 2013-2024
	Scale Score	Gap	Scale Score	Gap	Scale Score	Gap		
Grade 4 Math Composite								
All Students	237		240		241		-3	-4
White Students	247		249		250		-1	-3
Black Students	220	27	224	25	224	25	-4	-5
Hispanic Students	227	20	231	18	230	20	-4	-4
FRL Students	226	25	229	24	230	24	-3	-4

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	Scale Score	Gap	Scale Score	Gap	Scale Score	Gap		
Grade 8 Math Composite								
All Students	272		281		284		-9	-11
White Students	284		291		293		-7	-9
Black Students	251	34	259	32	263	30	-8	-12
Hispanic Students	257	27	268	23	271	22	-11	-14
FRL Students	257	30	266	30	270	27	-9	-12

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