

National Assessment of Educational Progress (NAEP) - Massachusetts

2024 Massachusetts NAEP Math Takeaway

In 2024, Massachusetts 4th graders scored about the same as their 2019 peers on NAEP Math and were ranked 1st in the nation. All Massachusetts 4th grade student groups scored worse on NAEP Math compared with their 2013 peers, and the achievement gap widened.

In 2024, Massachusetts 8th graders scored more than a grade level worse than their 2019 peers on NAEP Math. Every Massachusetts 8th grade student group scored worse on NAEP Math in 2024 than in 2013, and widened achievement gaps, notably black and low income students scored about two grade levels worse.

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NAEP	Massachusetts 2024			Massachusetts 2019			Massachusetts 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	246	1		247	2		253	2		1	1	-1	-7
All Students	246	1		247	2		253	2		1	1	-1	-7
White Students	255	2		254	6		260	2		4	0	1	-5
Black Students	224	8	30	232	3	22	230	6	29	-5	-2	-8	-6
Hispanic Students	225	23	30	232	14	22	234	18	25	-9	-5	-7	-9
FRL Students	227	12	32	231	14	26	237	6	27	2	-6	-3	-9

NAEP	Massachusetts 2024			Massachusetts 2019			Massachusetts 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 8 Math Composite	283	1		294	1		301	1		0	0	-11	-17
All Students	283	1		294	1		301	1		0	0	-11	-17
White Students	293	2		302	3		307	2		1	0	-8	-14
Black Students	257	5	37	267	3	35	277	1	30	-2	-4	-10	-21
Hispanic Students	261	17	33	269	21	33	277	11	30	4	-6	-8	-17
FRL Students	261	12	39	272	2	31	281	1	32	-10	-11	-11	-19

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.



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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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