



Alaska Math Matters

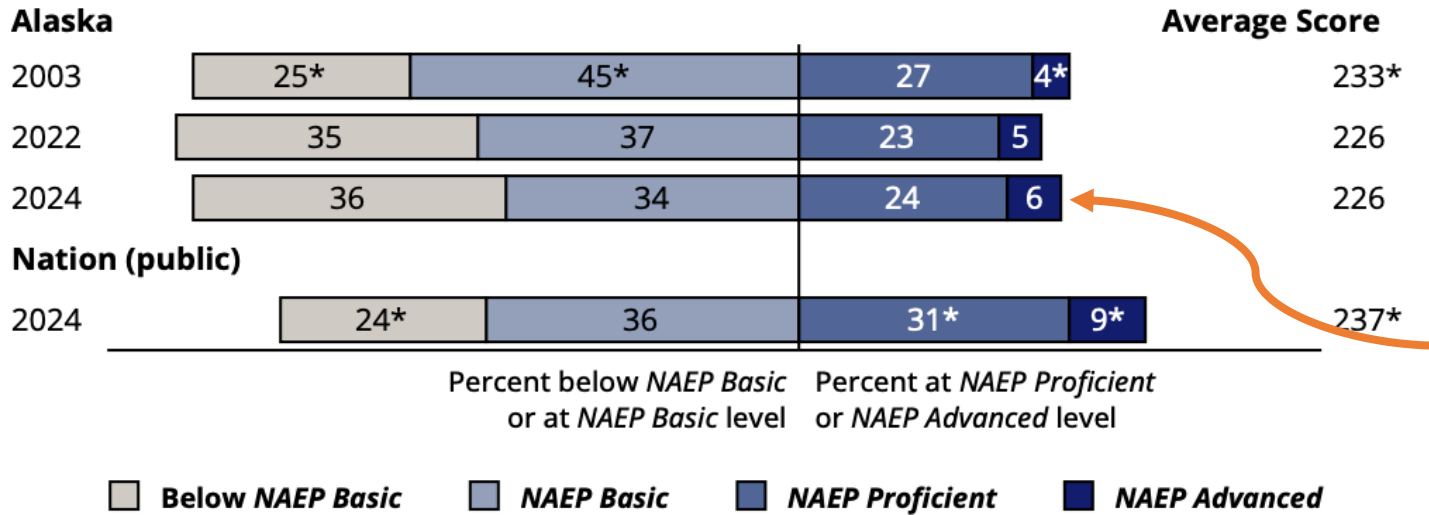
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Alaska NAEP Data - Math Grade 4

NAEP ACHIEVEMENT-LEVEL PERCENTAGES AND AVERAGE SCORE RESULTS



In Alaska:

30% of 4th grade students are **proficient or advanced**


70% of 4th grade students are **below proficient**

* Significantly different ($p < .05$) from the state's results in 2024. Significance tests were performed using unrounded numbers.

NOTE: NAEP achievement levels are to be used on a trial basis and should be interpreted and used with caution. Detail may not sum to totals because of rounding.

What does that mean?

70% of Alaska's students struggle with these math concepts:




The Nations Report Card

Skill 01:
Read data using a pictograph

Skill 02:
Solve a multi-step story problem

Skill 03:
Identify a figure that is a polygon



The Nations Report Card

Skill 04:
Compare data given in two bar graphs

*More on student skills and performance at:
www.nationsreportcard.gov/reports/mathematics/2024/g4_8/*

What math skills do 4th-graders likely have at the NAEP Proficient level? | NAEP, The Nation's Report Card

Comprehensive Math Policy Fundamental Principles

- Supports for Educators
 - Educator Preparation Program Alignment
 - Elementary Math Coaches
 - Math Professional Development
- Assessment & Parent Notification
 - K-8 Universal Screening & Progress Monitoring
 - Parental Notification
- Instruction & Intervention
 - Math is Taught for At Least 60 minutes per day
 - District Adoption of HQIM
 - Individual Math Plans
 - Parent Math-At-Home Plans
- Ensuring Algebra I Success
 - Guaranteed Access to Advanced Math
 - Take and Pass Algebra I/IM I No Later Than Grade 9

Comprehensive Math Policy Fundamental Principles

Alaska's HB 237 and SB 197

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States Adopting Comprehensive Math Policy

Alabama Numeracy Act (2022)

- Math coaches in elementary schools
- 60 min/day of math instruction in K-5
- HQIM for K-5
- Math screening and progress monitoring in K-5
- Individual math plans for struggling students
- Professional learning for K-5 math teachers

[Alabama-2022-SB171-Enrolled.pdf](#)

Indiana House Bill 1634 (2025)

- Numeracy screenings for K-8 students
- Intervention programs for struggling students
- Automatic enrollment (guaranteed access) in advanced math
- Expectations for educator preparation programs

[Indiana Passes Comprehensive Math Reform](#)

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MathMatters.org

50-State Math Policy Scan
 Individual State Policy Reports
 Evidence-Based Resources
 Model Math Policy



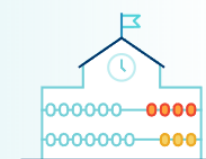
Learn more at excelined.org

Strong Math Skills Unlock Future Opportunities

Students are falling behind in math at a time when strong math and data skills are increasingly critical for academic success, career readiness and lifelong opportunity.

Only 39% of 4th graders & 27% of 8th graders are proficient in math today, a drop from 10 years ago.

[SOURCE](#)



Boosting math proficiency can raise a student's future earnings potential by 5-10%.

[SOURCE](#)

