Measure: 8th Grade Math

What is 8th Grade Math?

Eighth Grade Math is a measure of student success on the 8th grade Smarter Balanced math assessment. In this measure, students are considered to have demonstrated foundational knowledge or above on grade level content if they score a 2, 3, or 4 on the math assessment.

Why is this measure important?

Students are tested using the Smarter Balanced Math assessment in grades 3–8 and once in high school. Performance on the 8th grade math test can be an indicator of a student's preparedness for high school and may be used as a data point for high school course placement.

How is the data used?

Eighth grade math data is used to show the percentage of students who are demonstrating foundational grade-level knowledge (scoring a Level 2, 3, or 4) on the 8th grade Smarter Balanced math assessment. These results measure how well students are progressing toward the state's math learning standards and provide information about their readiness for high school coursework.

What does the data show?

The data show that over the past three school years, greater percentages of Washington's students are demonstrating foundational level and above math skills on the 8th grade Smarter Balanced assessment. Results have shown slight gains, from 54.5% in the 2022–23 school year to 57.3% in 2024–25.

Percent of Students Scoring at Foundational Grade-Level or Above

School Year	Percent
2022–23	54.5%
2023–24	55.9%
2024–25	57.3%

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What are the business rules for calculating 8th Grade Math?

The 8th Grade Math measure is defined as the rate of 8th grade students who scored at foundational grade-level knowledge and above (considered a Level 2, Level 3, or Level 4) on the Smarter Balanced math content assessment.

Numerator = Number of 8th grade students scoring a Level 2, Level 3, or Level 4 on the Smarter Balanced math content assessment.

Denominator = Number of 8th grades students expected to test on the Smarter Balanced math content assessment.

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