

RENAISSANCE **Star Math®**

K-12 assessments for math mastery

Unlock every student's inner mathematician

Math is more than numbers; it helps students build the critical-thinking skills they need to solve complex problems and understand their world in a deeper, more meaningful way. Yet some students see it more as a frustration than an essential skill. Get the valid, reliable data you need to provide the right level of challenge to motivate math growth with Renaissance Star Math®.

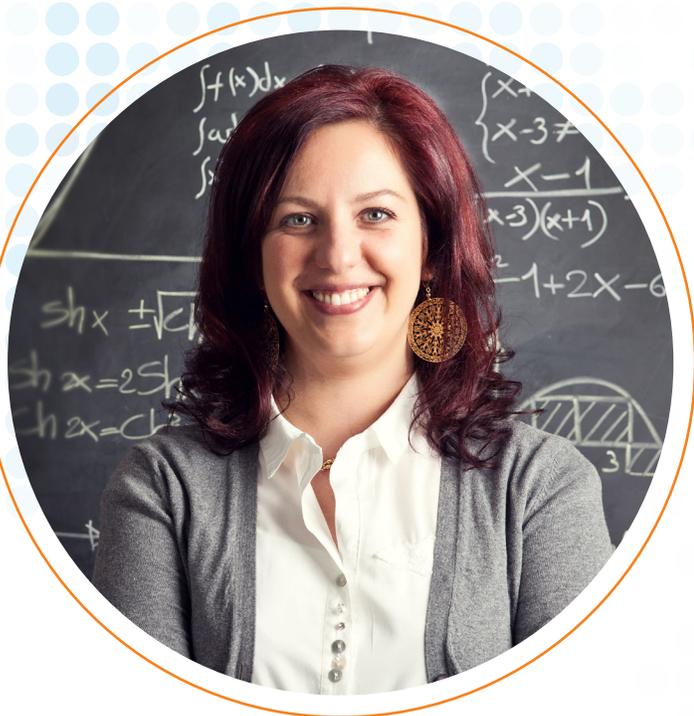
In less than 20 minutes, Star Math identifies which math concepts students already know and which ones they're ready to learn next. Learning progressions aligned to your state standards help you chart an optimal path to grade-level math mastery for each student. You'll have more time and more data-driven insights for what you do best—teach!

Maximize mastery and growth with personalized learning

Star Math helps you connect each student with the right math concepts, at the right level of challenge, and at the right time.

- Get a clear picture of each student's math abilities
- Access thousands of instructional resources
- Track mastery and growth via robust reports and dashboards

Plus, Star Math helps you connect better with each student: together, you can discuss assessment results, set attainable goals, develop a growth plan, measure progress, and celebrate accomplishments. Empower students to take charge of their math journey for motivating, personalized learning!



Essential insights into growth

Renaissance Star Math empowers you to track growth over time, even over multiple years, plus estimate future student growth and performance on your state's summative assessments.

Skills assessed include:

Grades K–8

Counting and Cardinality

- **Counting, Comparing, and Ordering**

Operations and Algebraic Thinking

- **Addition and Subtraction**
- **Multiplication and Division**

Geometry

- **Two- and Three-Dimensional Shapes and Attributes**
- **Congruence and Similarity**
- **Coordinate Geometry**
- **Perimeter, Circumference, and Area**
- **Surface Area and Volume**
- **Angles, Segments, and Lines**
- **Transformations**
- **Right Triangles and Trigonometry**

Functions

- **Relations and Functions**

Expressions and Equations

- **Numerical Expressions**
- **Variable Expressions**
- **Powers, Roots, and Radicals**
- **Linear, Quadratic, and Nonlinear Equations and Inequalities**

Ratios and Proportional Relationships

- **Percents, Ratios, and Proportions**

The Number System

- **Fractions**
- **Decimals**
- **Integers**

Measurement and Data

- **Measurement**
- **Time**
- **Money**
- **Data Representation and Analysis**

Statistics and Probability

- **Combinatorics and Probabilities**

Grades 9–12

Interpreting Functions

- **Relations and Functions**

Interpreting Categorical and Quantitative Data

- **Data Representations and Analysis**

The Real Number System

- **Powers, Roots, and Radicals**
- **Fraction Concepts and Operations**

Similarity, Right Triangles, and Trigonometry

- **Congruence and Similarity**
- **Right Triangles and Trigonometry**

Congruence

- **Angles, Segments, and Lines**
- **Polygons and Circles**
- **Congruence and Similarity**
- **Geometry: Two-Dimensional Shapes and Attributes**

Conditional Probability and the Rules of Probability

- **Combinatorics and Probability**

Arithmetic with Polynomials and Rational Expressions

- **Algebra of Polynomials**

The Complex Number System

- **Complex Numbers**

Geometric Measure and Dimension

- **Perimeter, Circumference, and Area**
- **Surface Area and Volume**
- **Three-Dimensional Shapes and Attributes**

Reasoning with Equations and Inequalities

- **Linear, Quadratic, and Nonlinear Equations and Inequalities**
- **Systems of Equations and Inequalities**

For a complete list of skills assessed, please visit www.renaissance.com/products/assessment/star-360/star-math-skills

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