



Aligned to the
**Common Core
State Standards**

FASTT Math and *Fraction Nation's* research-based adaptive software helps students at all levels achieve math fact and fraction fluency in just 10–15 minutes a day, improving the trajectory of achievement in algebra and beyond.

Are Your Students Common Core Ready?

With proven technology and aligned professional development, **Scholastic stands ready to help you implement the Common Core State Standards** and prepare for increasingly rigorous assessments.

Leverage the power of research-based adaptive software to help all students achieve math fact and fraction fluency.



Proven Adaptive Software that **Supports Key Points of the Common Core Standards**



Operations and Algebraic Thinking (Grades 2–5)

Key Points:

Build fluency to add and subtract within 20, multiply and divide within 100, and solve problems in all four operations. Develop understanding of fractions, factors, and multiples; and interpret numerical expressions.



FASTT Math

- ✓ Assesses each student's initial fact fluency and provides **10-minute daily sessions** of computer-based adaptive instruction in **English and Spanish**.
- ✓ Provides instruction for accuracy and speed in addition and subtraction facts within 0–24 and multiplication and division within 0–144.
- ✓ Develops understanding and fluency in four operations by using a proven research-based **FASTT** system, designed to reduce recall time to 0.8 seconds or less.

FRACTION NATION

- ✓ Delivers a firm foundation of number sense for fractions and decimals through **64 carefully sequenced and scaffolded lessons**.
- ✓ Provides an introduction to **algebraic thinking** with a focus on quantity, equivalence, and addition and subtraction.
- ✓ Presents a **universal approach** to understanding equal groups of objects, properties of multiplication, and familiarity with factors and multiples.
- ✓ Utilizes strong visual models, such as **number lines and fraction strips**.

Number and Operations in Base Ten (Grades 2–5)

Key Points:

Understand place value for single and multi-digit operations with whole numbers and decimals.



FASTT Math

- ✓ Builds conceptual understanding of single-digit operations through Quantity and mental math strategies using the **Fact Fluency Foundations Guide**.
- ✓ Develops math fact fluency—through “**expanding recall**”—in all four operations, laying foundations for higher-order mathematics with multi-digit whole numbers and arithmetic.

FRACTION NATION

- ✓ Helps students gain and retain concepts of whole numbers and decimals to the hundredths through **targeted instruction, corrective feedback, and adaptive practice activities**.
- ✓ Ensures students are able to consistently perform operations with whole numbers and decimals through **performance assessments** of concepts and skills after each lesson.

Number and Operations—Fractions (Grades 3–5)

Key Points:

Develop an understanding of fractions as numbers, extending to equivalence, ordering, and operations with fractions. Build fractions from unit fractions and understand decimal notation.



FASTT Math

- ✓ Develops math fact fluency in addition, subtraction, multiplication, and division as a necessary base for extending knowledge into higher-order mathematics.



FRACTION NATION

- ✓ Promotes understanding, proficiency, and fluency with fractions and decimals via an extensive **Lesson Review Library** containing activities geared towards review and practice.
- ✓ Provides a **Lesson Guide** with 64 carefully crafted lessons in 9 topics to help develop an understanding of fractions as numbers—all in 15-minute sessions.
 - Topics A–D extend understanding of fraction equivalence, ordering, and quantity with unit fractions.
 - Topics E–G extend fraction equivalence with proper and improper fractions, and support strategies to add and subtract fractions.
 - Topics H and I teach computation procedures for more advanced operations with fractions.

The Number System (Grades 6–8)

Key Points:

Apply and extend previous understandings of operations to fractions and compute fluently with multi-digit numbers. Find common factors and multiples.



FASTT Math

- ✓ Promotes retention of fluent facts for multi-digit computations through **independent, self-paced practice games**.
- ✓ Supports the transfer of learning to paper and pencil with **customized practice sheets**.
- ✓ Provides **multimodal presentation** of math facts (visual, auditory, and kinesthetic), laying the foundation for finding common factors and multiples.

FRACTION NATION

- ✓ Embeds systematically constructed **fraction fluency practice** throughout the 64 lessons.
- ✓ Develops firm foundations in early lessons, which help apply and extend previous understandings to more advanced fraction operations.
- ✓ Provides differentiated instruction, extensive practice, and self-paced opportunities for **Tier 2 and 3 intervention students** in 6th grade and above.

Expressions and Equations (Grades 6–8)

Key Points:

Solve real-life and mathematical problems using numerical expressions. Extend understanding of arithmetic to algebraic expressions. Generate equivalent expressions and understand connections between proportional relationships.

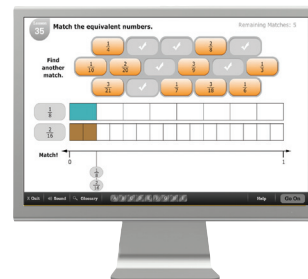


FASTT Math

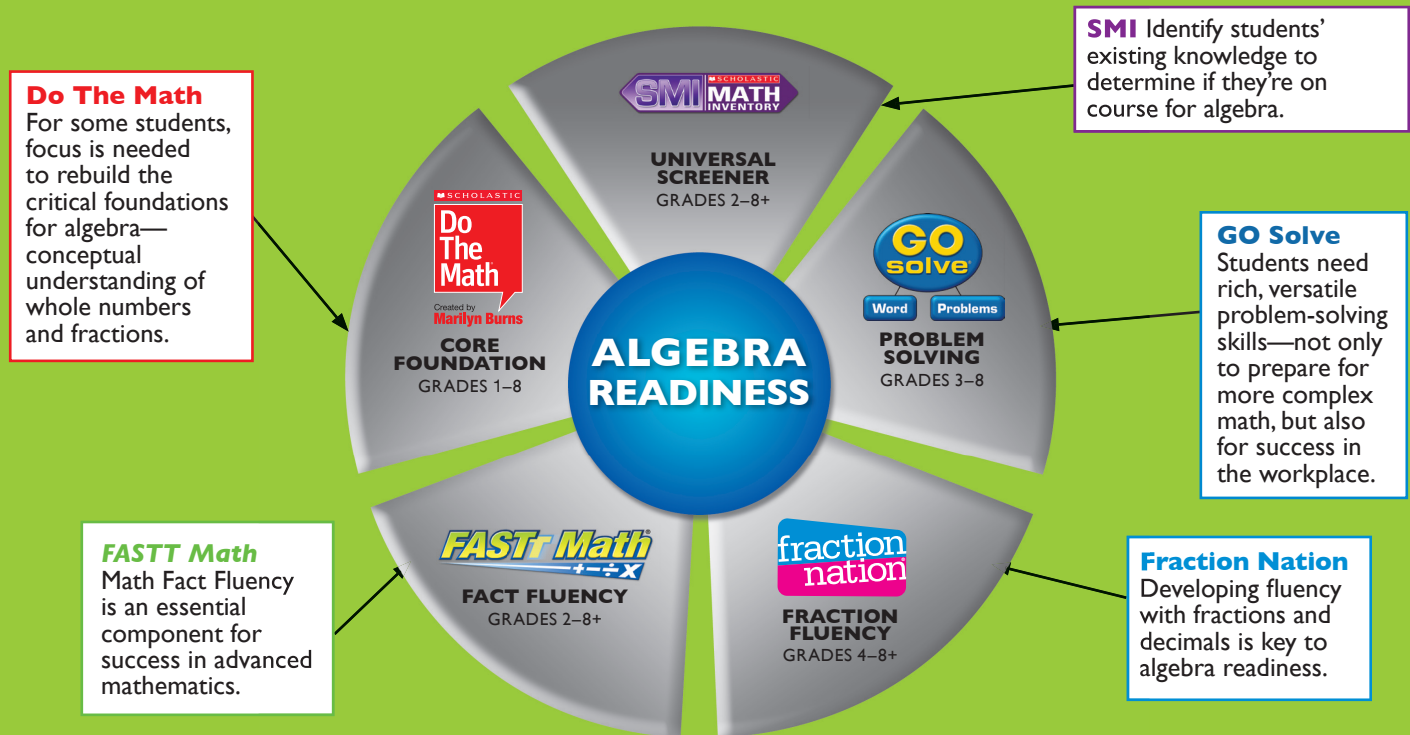
- ✓ Provides **adaptive lessons and activities** to develop automaticity, improving students' ability to solve real-life and mathematical problems.
- ✓ Creates efficient strategies for solving problems, equations, and linear equations by developing **rapid retrieval of math facts**.

FRACTION NATION

- ✓ Develops an integrated understanding of numerical and algebraic expressions through **multimodal lessons, practice, and performance assessments**.
- ✓ Helps build connections to proportional relationships across whole numbers, fractions, decimals, proper and improper fractions, and fractions with different denominators through a consistent use of real-world measurements across topics (number lines).



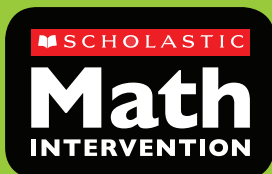
Implement the Common Core State Standards with **Scholastic Math Programs** Targeted to Your Students' Needs



SCHOLASTIC MATH PROGRAMS support the implementation of the Common Core State Standards in preparation for increasingly rigorous assessments. From scaffolded lesson plans to adaptive software, our programs adjust to serve the needs of on-level students as well as those who require targeted intervention. With built-in assessment capabilities, you'll always know exactly what your students need to rise to the next level of success.

For more information 800.387.1437 • scholastic.com/mathintervention

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