

▶▶▶▶ Academy of MATH

Grade K5–12 Intervention

Developed to complement math curriculum and address skills development and learner motivation, Academy of MATH is a flexible solution for

- Elementary, middle, and high schools
- At-risk ELL, special education, and reinforcement of classroom instruction
- Before school, during school (labs, back of classroom), after school, and summer school

Flexible Instructional Model

Academy of MATH is easily managed for cost-effective implementation of math intervention programs.

- Scales easily from a few students to a classroom or school-wide implementation
- Provides browser-based access for students, teachers, and administrators from any workstation on the network
- User-friendly interface allows students to begin training immediately and to see results quickly

About Passport Learning

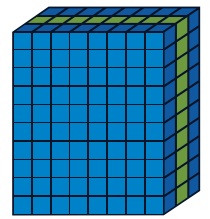
Passport Learning delivers highly effective and scalable literacy intervention solutions to help elementary, middle, and high school students master the fundamental skills of reading and math. Passport products use a research-based approach that is proven to generate significant and sustainable gains for students of all ages and abilities.

This award-winning software provides an individualized and engaging experience for students, and a comprehensive set of monitoring, management, and reporting tools for teachers and administrators. Passport deploys its literacy intervention solutions to schools throughout the United States.



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Understanding the Math Cube



▶▶▶▶ Proven Approach to Permanent Math Gains

- Conceptual knowledge
- Computational fluency
- Strategic competence



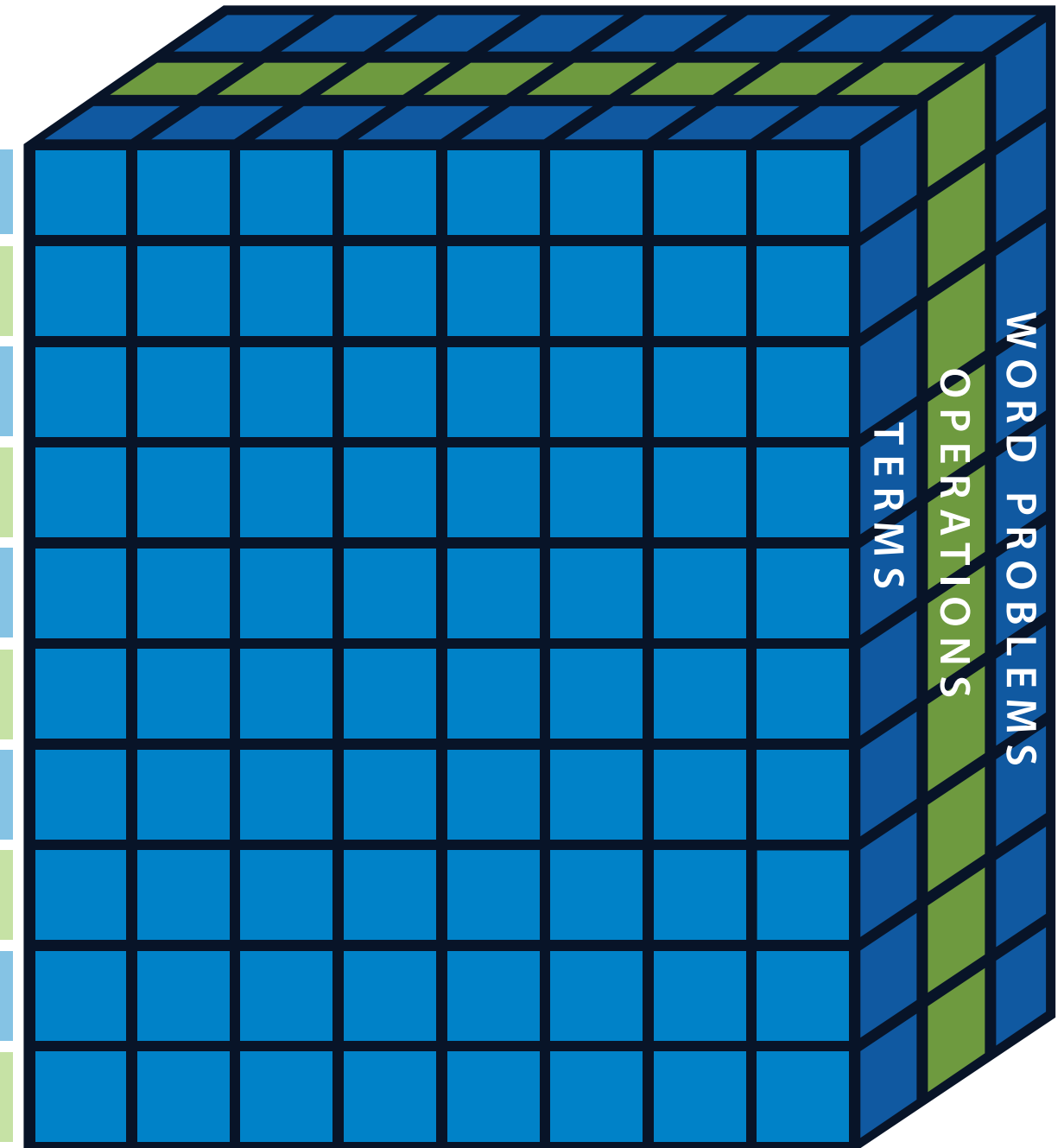
Steps to Mathematical Proficiency

Academy of MATH® uses a systematic approach to help students develop greater mathematical proficiency. For each skill area and level, students build conceptual knowledge (terms), computational fluency (operations), and strategic competence (word problems).

One Skill at a Time

Academy of MATH supplements existing curriculum by helping students build from basic proficiency to complex, conceptual proficiency in 10 skill areas that align to National Council of Teachers of Mathematics standards.

Number Sense Keywords & symbols • Place values & patterns • Integers & exponential numbers • Base 10 number system • Rounding • Square roots, ratios & proportions
Addition Keywords & symbols • Rounding & estimating sums • Three- to eight-digit numbers • Facts & patterns • Grouping & ordering • Integers
Subtraction Keywords & symbols • Estimates • Three- to eight-digit numbers • Facts & patterns • Grouping & ordering • Inverse operations • Integers
Multiplication Keywords & symbols • Distributive properties • Factors & multiples • Table & facts • Prime & composite numbers • Integers • Powers of 10
Division Keywords & symbols • Factors & quotients • Divisibility tests • Averages & estimates • Long & short division • Integers • Powers of 10
Fractions Keywords & symbols • Adding & subtracting • Decimals & percents • Mixed numbers • Multiplying & dividing • Improper & mixed fractions
Equations Keywords & symbols • Comparing & ordering • Algebraic expressions • Pattern recognition • Expressions & variables • Formulas • Percents
Measurement Keywords & symbols • Volume & weight • Metric & imperial systems • Length • Area • Perimeter
Geometry Keywords & symbols • Spatial relationships • Congruence & similarity • 2D & 3D shapes • Symmetry • Coordinates & angles • Volume & area
Graphing Keywords & symbols • Coordinate system • Histograms • Reading & constructing graphs • Tally charts • Statistical analysis



1 2 3 4 5 6 7 8

INSTRUCTIONAL LEVELS