

Aha!Math™ Units Overview

Aha!Math by Learning.com is a standards-aligned, Web-delivered supplemental K-5 math curriculum that supports students to become successful math learners. The table below provides an at-a-glance look at all of the Aha!Math curriculum units. Curriculum units target core concepts for each grade, using the most effective combination of Web-delivered lessons, games, quizzes and related printed activities to enhance student performance.

UNIT TITLE AND DESCRIPTION	K	1	2	3	4	5	6
Understanding Whole Numbers to 10 <ul style="list-style-type: none"> Introduction to numbers, numerals and sets Count, compare and order sets Join and separate sets of 20 or less Quick recognition of numbers and numerals 							
Shapes and Space <ul style="list-style-type: none"> Names and descriptions of shapes and solids Describe orientation and position Compare shapes to determine size Explore composition and decomposition of shapes 							
Comparing Lengths and Time <ul style="list-style-type: none"> Measurable attributes of space and time Direct and indirect methods to measure, compare and sequence shapes 							
Understanding Addition and Subtraction: Facts to 18 <ul style="list-style-type: none"> Variety of models to learn basic addition and subtraction facts through 18 Commutative and associative properties Relationship between commutative and associative properties 							
Place Value: Ones and Tens <ul style="list-style-type: none"> Place value Compare and order numbers up to 100 							
Pieces of Shapes <ul style="list-style-type: none"> Use composition and decomposition to learn about properties of shapes and solids Concepts of congruence and symmetry 							
Understanding Numbers to 1000 <ul style="list-style-type: none"> Place value for numbers through 1000 Compose, decompose, compare and order whole numbers Extend to numbers with four to six digits 							
Addition and Subtraction of Multi-Digit Numbers <ul style="list-style-type: none"> Add and subtract larger numbers, both with and without regrouping Introduces estimation as a tool for verifying accuracy of answers Foundation for multiplication of numbers 							
Linear Measurement <ul style="list-style-type: none"> Develop fluency with measuring length using standard and non-standard units Solve problems involving measuring length 							
Multiplication and Facts to 10 <ul style="list-style-type: none"> Introduction to multiplication as a way to count objects arranged in equal sets Develop fluency with basic multiplication facts from 0×0 to 10×10 Commutative property and the relationship between multiplication and division 							
Fractions <ul style="list-style-type: none"> Introduction of fractions through pictorial models Becoming familiar with common fractions Equivalent fractions Writing and recognizing improper and mixed fractions 							

UNIT TITLE AND DESCRIPTION	K	1	2	3	4	5	6
2-D Shapes and Transformations <ul style="list-style-type: none"> Elementary geometry Common shapes and their properties Congruence and similarity Line symmetry and transformations Rudiments of area on the plane 							
Multiplication Facts: 11 and 12, Multiplication Algorithm <ul style="list-style-type: none"> Introduction of the distributive property Develop and practice the algorithm for multiplying large numbers Estimation with multiplication 							
Decimals and Fractions <ul style="list-style-type: none"> Decimals as an extension of place value Relationship to fractions in denoting quantities less than a whole Comparing, ordering, rounding and estimating decimals 							
2-D Shapes and Area <ul style="list-style-type: none"> Measure area with unit squares Extend knowledge to calculating area of common shapes using multiplication Finding area 							
Whole Number Division <ul style="list-style-type: none"> Review of relationship between division and multiplication Long division algorithm up to two-digits Estimation, divisibility, factors and multiples Division with remainders 							
Adding and Subtracting Fractions and Decimals <ul style="list-style-type: none"> Addition and subtraction with like and unlike denominators and mixed numbers Addition and subtraction of decimals Estimation Connection between operations on fractions and operations on decimals 							
3-D Shapes, Including Surface Area and Volume <ul style="list-style-type: none"> Types of 3-D solids and how to calculate surface area of prisms Calculate volumes of cubes, prisms, and more complicated single and composite solids Learn strategies for estimating volume 							
Multiplication and Division of Fractions and Decimals <ul style="list-style-type: none"> Strategies and techniques used to multiply and divide by fractions and decimals Application of the number pi Techniques to multiply by decimals to find the circumference and area of a circle and the volume of a cylinder 							

Resources

Learn more about Aha!Math
www.learning.com/ahamath

See sample Aha!Math curriculum
www.learning.com/ahamath/curriculum.htm

Request information or consultation
 on Learning.com products
www.learning.com/request

Learning.com is the premier provider of Web-enhanced curriculum. We focus on innovative, results-oriented solutions with a singular, overriding purpose: to improve student learning. We support educators to help students see the relevance of technology to their learning, and to become flourishing 21st century citizens with the skills they need to learn, work and create.