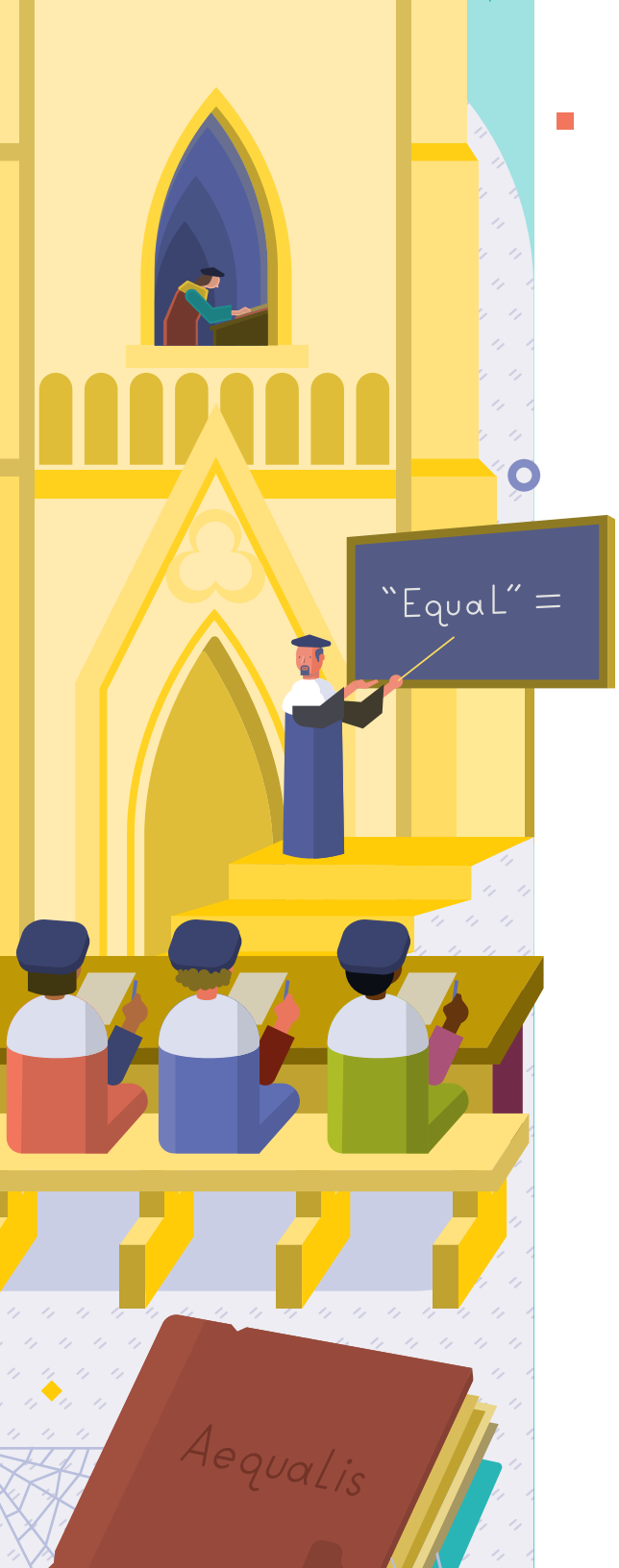

Amplify Math

Scope and sequence: Grades 6–12

Grades 6 and 7

	Unit	Grade 6	Grade 7
Volume 1 (Blue)	1	Area and Surface Area	Scale Drawings
	2	Introducing Ratios	Introducing Proportional Relationships
	3	Rates and Percentages	Measuring Circles
	4	Dividing Fractions	Percentages
Volume 2 (Yellow)	5	Arithmetic in Base Ten	Rational Number Arithmetic
	6	Expressions and Equations	Expressions, Equations, and Inequalities
	7	Rational Numbers	Angles, Triangles, and Prisms
	8	Data Sets and Distributions	Probability and Sampling

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Accelerated Grades 6 and 7

	Unit	Grade 6 Accelerated	Grade 7 Accelerated
Volume 1 (Blue)	1	**Area and Surface Area** *Sub-unit 1: Area of Special Polygons • Sub-unit 2: Nets and Surface Area*	**Rigid Transformations and Congruence** *Sub-unit 1: Rigid Transformations • Sub-unit 2: Angles in a Triangle*
	2	**Dividing Fractions** *Sub-unit 1: Interpreting Division Scenarios • Sub-unit 2: Division With Fractions • Sub-unit 3: Fractions in Lengths, Areas, and Volumes*	**Dilations, Similarity, and Slope** *Sub-unit 1: Dilations • Sub-unit 2: Similarity*
	3	**Arithmetic in Base Ten** *Sub-unit 1: Adding, Subtracting, and Multiplying Decimals • Sub-unit 2: Dividing Decimals*	**Writing and Solving Equations** *Sub-unit 1: Solving Two-Step Equations • Sub-unit 2: Solving Real-World Problems Using Two-Step Equations • Sub-unit 3: Inequalities • Sub-unit 4: Equivalent Expressions • Sub-unit 5: Equations in One Variable*
	4	**Rates and Ratios** *Sub-unit 1: What are Ratios? • Sub-unit 2: Equivalent Ratios • Sub-unit 3: Solving Ratio Problems • Sub-unit 4: Rates • Sub-unit 5: Scale Drawings*	**Functions and Linear Functions** *Sub-unit 1: Representing and Interpreting Functions • Sub-unit 2: Linear Functions • Sub-unit 3: Associations in Data • Sub-unit 4: Systems of Linear Equations*
Volume 2 (Yellow)	5	**Rational Numbers** *Sub-unit 1: Negative Numbers and Absolute Value • Sub-unit 2: Adding and Subtracting Rational Numbers • Sub-unit 3: Multiplying and Dividing Rational Numbers*	**Percentages** *Sub-unit 1: Warming up to Percentages • Sub-unit 2: Percent Increase and Decrease • Sub-unit 3: Applying Percentages*
	6	**Expressions, Equations, and Inequalities** *Sub-unit 1: Equations in One Variable • Sub-unit 2: Inequalities • Sub-unit 3: Equivalent Expressions • Sub-unit 4: Relationships Between Quantities*	**Surface Area and Volume** *Sub-unit 1: Solid Geometry • Sub-unit 2: Cylinders, Cones, and Spheres*
	7	**Proportional Relationships** *Sub-unit 1: Representing Proportional Relationships with Tables • Sub-unit 2: Representing Proportional Relationships with Graphs • Sub-unit 3: Circumference of a Circle • Sub-unit 4: Area of a Circle*	**Exponents and Scientific Notation** *Sub-unit 1: Exponent Rules • Sub-unit 2: Scientific Notation*
	8	**Data Sets, Distributions and Probability** *Sub-unit 1: Statistical Questions and Representing Data • Sub-unit 2: Measures of Center • Sub-unit 3: Variability and Larger Populations • Sub-unit 4: Probability*	**Irrationals and the Pythagorean Theorem** *Sub-unit 1: Rational and Irrational Numbers • Sub-unit 2: Drawing Polygons with Given Conditions • Sub-unit 3: The Pythagorean Theorem*

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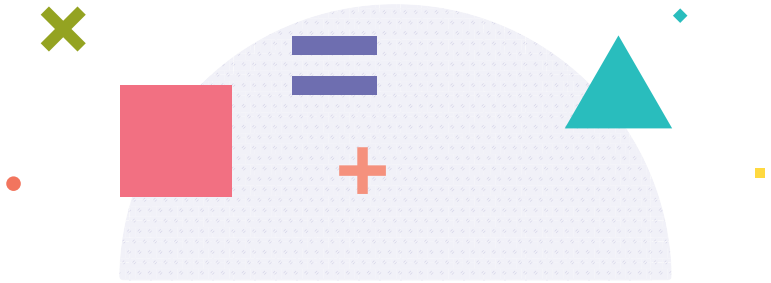

Grades 8–12

	Unit	Grade 8	Algebra 1	Geometry*	Algebra 2*
Volume 1 (Blue)	1	Rigid Transformations and Congruence	Linear Equations, Inequalities, and Systems	Constructions and Rigid Transformations	Sequences and Series
	2	Dilations and Similarity	Data Analysis and Statistics	Congruence	Polynomials and Rational Functions
	3	Linear Relationships	Functions and Their Graphs	Similarity	Function Transformations and Conic Functions
	4	Linear Equations and Systems of Linear Equations	Introducing Exponential Functions	Right Triangle Similarity and Trigonometry	Exponents, Radicals, and Complex Numbers
Volume 2 (Yellow)	5	Functions and Volume	Introducing Quadratic Functions	Coordinate Geometry	Exponential and Logarithmic Functions
	6	Exponents and Scientific Notation	Quadratic Equations	Circles	Trigonometric Functions
	7	Irrationals and the Pythagorean Theorem	—	Solid Geometry	Inferential Statistics and Probability Models
	8	Associations in Data	—	Conditional Probability	—

*In-development unit names