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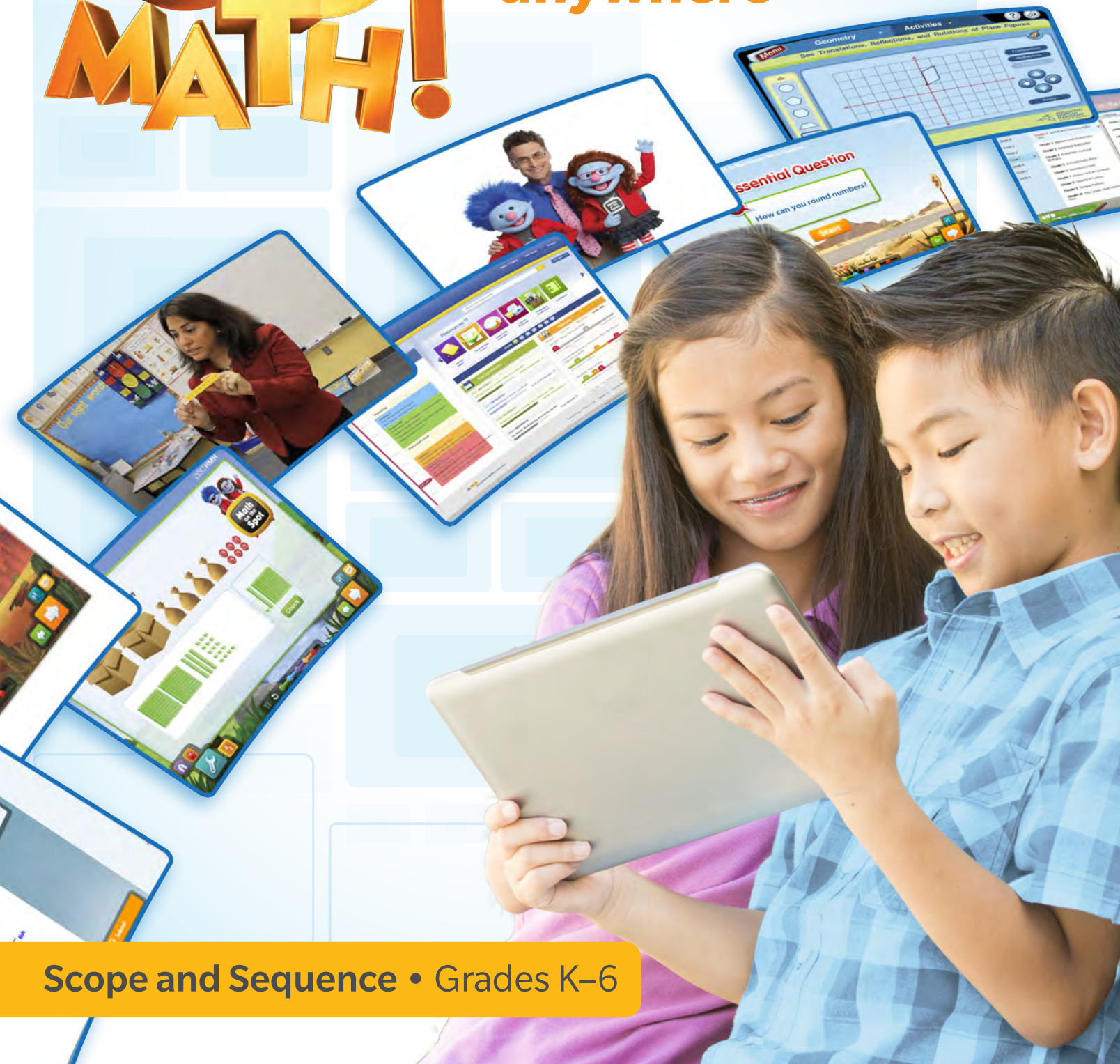
GO MATH!

Anytime, anywhere



Scope and Sequence • Grades K–6

	K	1	2	3	4	5	6
Counting and Cardinality							
Compare numbers	●						
Count by ones	●						
Count by tens	●						
Count objects	●						
Count sets of objects	●						
Find how many in all	●						
Use one-to-one correspondence to count	●						
Write numbers	●						
Number and Operations in Base Ten							
Addition							
Add decimals						●	◆
Add whole numbers		●	●	●	●		
Addition strategies		●	●	●			
Estimate decimal sums						●	
Estimation in 3-digit addition			●				
Properties of addition		●	●	◆	◆	●	◆
Real-word problems						●	
Counting Sequence							
Count backward			●				
Count forward	●	●	●				
Model whole numbers	●	●	●				
Read whole numbers	●	●	●				
Skip count		●	●				
Write whole numbers	●	●	●				
Division							
Divide decimals						●	◆
Divide whole numbers				●	●	●	◆
Division strategies				●	●		
Remainders					●	◆	
Multiplication							
Area and array models				●	●		
Equations				●	●	◆	◆
Multiples of ten				●	●		

● Investigate and Analyze ◆ Apply and Extend

	K	1	2	3	4	5	6
Multiplication strategies				●	●		
Multiply decimals						●	◆
Multiply whole numbers				●	●	●	
Properties of multiplication				●	●	◆	◆
Place Value of Decimals							
Compare and order decimals						●	
Decimal notation						●	
Read decimals						●	
Round decimals					●	●	
Write decimals in different forms						●	
Place Value of Whole Numbers							
Compare whole numbers		●	●	●	●		
Decompose into tens and ones	●	●					
Expanded form				●	●		
Exponents						●	◆
Make a ten		●					
Model whole numbers	●	●	●				
Order whole numbers					●		
Place-value models	●	●	●				
Powers of ten						●	◆
Subtraction							
Estimate decimal differences						●	
Estimation in 3-digit subtraction			●				
Real-world problems						●	
Subtract decimals						●	
Subtract whole numbers		●	●	●	●		
Subtraction strategies		●	●	●			
Number and Operations—Fractions							
Addition with Fractions							
Add fractions					●	●	
Add mixed numbers					●	●	
Benchmark fractions						●	
Rename fractions and mixed numbers to add					●	◆	
Visual fraction models					●	◆	
Word problems					●	●	

● Investigate and Analyze ◆ Apply and Extend

	K	1	2	3	4	5	6
Decimal Fractions							
Compare decimal fractions					●	●	
Decimal notation					●	●	
Equivalent fractions and decimals					●		
Money and decimals					●		
Place value of decimals					●	●	
Write decimals					●	●	
Division with Fractions							
Divide unit fractions						●	
Fractions as division						●	
Interpret division with fractions						●	
Real-world problems						●	◆
Visual fraction models						●	◆
Fraction Equivalence							
Common denominators					●	◆	
Compare and order fractions				●	●	◆	
Equivalent fractions				●	●	●	
Simplest form					●	◆	
On the number line				●	●	◆	
Use regions				●			
Multiplication and Fractions							
Distributive Property						●	
Find area of a rectangle with fractional measurements						●	
Multiples of unit fractions					●	●	
Multiply fractions					●	●	
Multiply mixed numbers					●	●	
Scale and multiplication of fractions						●	
Visual fraction models					●	●	
Word problems					●	●	
Read and Write Fractions							
Fractions				●			
Whole numbers as fractions				●			
Subtraction of Fractions							
Estimate differences						●	
Subtract fractions					●	●	
Subtract mixed numbers					●	●	

● Investigate and Analyze ◆ Apply and Extend

	K	1	2	3	4	5	6
Subtraction with renaming					●	●	
Visual fraction models					●	●	
Word problems					●	●	
Understand Fractions							
Part of a group				●			
Part of a partitioned whole				●			
On the number line				●			
Unit fractions				●			
Whole numbers and fractions				●			
Ratios and Proportional Relationships							
Concept of Ratio							
Fractions and ratio							●
Model ratios							●
Notation for ratio							●
Rate language							●
Write ratios							●
Rate and Ratio Reasoning							
Convert measurements							●
Distance, rate, time formula							●
Equivalent ratios							●
Percent							●
Real-world problems							●
Unit rate							●
The Number System							
Addition and Subtraction of Decimals							
Add decimals							●
Subtract decimals							●
Common Factors and Multiples							
Greatest common factor							●
Least common multiple							●
Prime factorization							●
Division with Fractions							
Divide fractions							●
Divide mixed numbers							●

● Investigate and Analyze ◆ Apply and Extend

	K	1	2	3	4	5	6
Reciprocal and inverse operations							●
Visual fraction models							●
Division with Whole Numbers and Decimals							
Divide decimals							●
Divide whole numbers							●
Multiplication							
Multiply decimals							●
Rational Numbers							
Absolute value							●
Compare and order rational numbers							●
Find distance							●
Graph on the coordinate plane							●
Negative and positive numbers							●
Opposites							●
Plot on the number line							●
Real-world problems							●
Reflection on the axes							●
Operations and Algebraic Thinking							
Addition							
Add whole numbers	●	●	●	●			
Addition strategies		●	●				
Additive comparison					●		
Basic facts		●	●	◆			
Decompose numbers	●	●					
Equal symbol	●	●					
Equations		●	●	●	●		
Estimate sums			●	●	◆		
Expressions	●						
Inverse of subtraction	●	●	◆				
Missing addend	●	●	◆				
Model addition	●	●	◆				
Multi-step word problems				●	●		
Plus symbol	●	●					
Real-world problems	●	●	●				

● Investigate and Analyze ◆ Apply and Extend

	K	1	2	3	4	5	6
Three addends		●	●				
Word problems		●	●	●			
Write number sentences		●	●				
Division							
Basic facts				●			
Division strategies				●			
Equations				●	●	◆	
Measurement quantities				●			
Model division				●	◆		
Multi-step word problems					●	◆	
Relationship with multiplication				●	◆	◆	
Remainders					●	◆	
Strategies to divide				●	◆		
Understand division				●	●		
Factors and Multiples							
Common factors					●		◆
Common multiples					●		◆
Divisibility rules					●		
Even and odd numbers					●		
Factors					●	◆	
Multiples					●		
Prime numbers					●		
Multiplication							
Arrays			●	◆			
Basic facts				●	●		
Equal groups			●	●			
Equations				●	●		
Even and odd numbers			●		◆		
Measurement quantities				●			
Model multiplication				●			
Multiplication strategies				●			
Multiplicative comparison					●		
Real-world problems				●	●		
Relationship with division				●			
Strategies to multiply				●			
Understand multiplication			●	●	●		

● Investigate and Analyze ◆ Apply and Extend

	K	1	2	3	4	5	6
Number and Shape Patterns							
Even and odd numbers				●	●		
Function tables				●	●	◆	
Generate two numerical patterns						●	
Graph two numerical patterns on the coordinate plane						●	
Identify, generate, explain number patterns				●	●		
Patterns on facts tables				●			
Skip-counting patterns				●			
Write a rule					●	◆	
Numerical Expressions							
Evaluate numerical expressions						●	
Interpret numerical expressions						●	
Write numerical expressions						●	
Properties of Operations							
Additive Identity Property		●	●	●	●	◆	◆
Associative Property of Addition		●	●	●	●	◆	◆
Associative Property of Multiplication				●	●	◆	◆
Commutative Property of Addition		●	●	●	●	◆	◆
Commutative Property of Multiplication				●	●	◆	◆
Distributive Property				●	●	◆	◆
Identity Property of Multiplication				●	●	◆	◆
Zero Property of Multiplication				●	●	◆	◆
Subtraction							
Basic facts		●	●	◆			
Decompose numbers	●	◆					
Equal symbol	●	◆					
Equations		●	●	●	●		
Estimate differences				●	◆		
Expressions	●	◆					
Inverse of addition	●	●					
Minus symbol	●	●					
Missing numbers in subtraction	●	●					
Model subtraction	●	●					
Multi-step word problems				●	●		

● Investigate and Analyze ◆ Apply and Extend

	K	1	2	3	4	5	6
Real-world problems	●	●	●	●	●		
Subtract whole numbers	●	●	●	●			
Subtract zero		●					
Subtraction strategies		●	●				
Word problems		●	●	●			
Write number sentences		●	●				
Expressions and Equations							
Algebraic Expressions							
Equivalent algebraic expressions							●
Evaluate algebraic expressions							●
Identify parts of expressions							●
Model algebraic expressions							●
Write algebraic expressions							●
Dependent and Independent Variables							
Analyze relationships between variables							●
Express relationships between variables							●
Graph relationships							●
Linear equations							●
Translate between equations and table values							●
Equations							
Linear equations on the coordinate plane							●
Meaning of equality							●
Model equations							●
Solve one-variable equations							●
Symbols showing relations							●
Inequalities							
Graph inequalities with one variable							●
Identify solutions							●
Solutions of inequalities on a number line							●
Solutions of inequalities using substitution							●

● Investigate and Analyze ◆ Apply and Extend

	K	1	2	3	4	5	6
Symbols showing relations							●
Write inequalities							●
Numerical Expressions							
Write numerical expressions							●
Evaluate numerical expressions							●
Measurement and Data (MD)							
Measurement and Data							
MEASUREMENT							
Length and Distance							
Benchmarks and relative size					●		
Choose appropriate tool and unit		●	●				
Compare lengths	●	●	●				
Convert units			●			●	
Customary system			●		●		
Estimate length			●		●		
Measure length		●	●				
Measurements on a line plot			●				
Metric system			●		●		
Order lengths		●	●				
Real-world problems	●	●			●		
Subtract lengths			●				
Transitive property		●					
Liquid Volume and Capacity							
Benchmarks and relative size					●		
Convert units						●	
Estimate liquid volume				●	●		
Measure liquid volume				●			
Word problems				●	●	●	
Mass and Weight							
Benchmarks and relative size					●		
Compare weights	●						
Choose the appropriate unit				●			
Convert units						●	
Estimate mass				●	●		
Measure mass				●			

● Investigate and Analyze ◆ Apply and Extend

	K	1	2	3	4	5	6
Order weights	●						
Word problems				●	●	●	
Money							
Count coins and bills			●				
Decimal point in money amounts			●				
Decimals and money					●		
Fractions and money					●		
Identify coins and bills			●				
Operations with money					●		
Real-world problems			●		●		
Symbolic notation			●				
Time							
A.M. and P.M.			●	●			
Clocks		●	●	●			
Convert units						●	
Elapsed time					●	●	
Equivalent units			●				
Fractions and time					●		
Real-world problems		●	●	●	●	●	
Tell time		●	●	●			
Units of time			●		●		
DATA							
Classify and count objects	●						
Interpret Data							
Bar graph		●	●	●			
Compare data				●	●	◆	◆
Draw conclusions			●	●	●		
Frequency table				●	◆	◆	◆
Line plot			●	●	●	●	◆
Measurement data on a line plot			●	●	●	●	
Picture graph		●	●	●			
Real-world problems		●	●	●	●	●	◆
Tally chart		●	●	●			
Represent Data							
Bar graph		●	●	●			
Frequency table				●	◆	◆	◆

● Investigate and Analyze ◆ Apply and Extend

	K	1	2	3	4	5	6
Line plot			●	●	●	●	
Measurement data on a line plot			●	●	●	●	
Picture graph		●	●	●			
Tally chart		●	●	●			
GEOMETRIC MEASUREMENT							
Angles							
Concept of angle					●		
Related to circles					●		
Measure angles with a protractor					●		
Measure angles using an equation					●		
Sketch angles					●		
Area							
Concept of area				●			
Find area of a complex figure				●	●		
Find area of a rectangle				●	●		
Formula for area					●		
Real-world problems				●	●		
Relate area to multiplication and division				●			
Relate area to perimeter				●			
Units of area					●		
Perimeter							
Compare area and perimeter				●			
Find perimeter of a polygon				●			
Find perimeter of a rectangle				●	●		
Formula for perimeter					●		
Linear and area measures				●			
Real-world problems				●	●		
Relate area to perimeter				●			
Volume							
Attribute in solid figures						●	
Compare volumes						●	
Estimate volume						●	
Measure volume						●	
Real-world problems						●	
Volume as additive						●	

● Investigate and Analyze ◆ Apply and Extend

	K	1	2	3	4	5	6
Geometry							
Area							
Changing dimensions and area							●
Draw polygons on the coordinate plane							●
Find area of a composite figure							●
Find area of a parallelogram							●
Find area of a polygon							●
Find area of a trapezoid							●
Find area of a triangle							●
Formulas for area							●
Real-world problems							●
Coordinate Plane							
Define a coordinate system						●	
Graph in the first quadrant						●	
Ordered pairs						●	
Real-world problems						●	
Surface Area							
Find surface area of a cube							●
Find surface area of a prism							●
Find surface area of a pyramid							●
Nets							●
Real-world problems							●
Three-dimensional Shapes							
Attributes of three-dimensional shapes	●	●	●				
Classify shapes		●					
Compose and decompose shapes	●	●	●				
Identify and describe shapes	●	●	●				
Identify shapes in the environment	●						
Make and draw shapes		●	●				
Sort shapes	●	●	●				
Two-dimensional Shapes							
Angles				●	●	●	
Attributes of two-dimensional shapes	●	●	●	●			
Classify angles					●		

● Investigate and Analyze ◆ Apply and Extend

	K	1	2	3	4	5	6
Classify polygons						●	
Classify quadrilaterals					●	●	
Classify shapes		●	●	●			
Classify triangles by angles					●	●	
Classify triangles by sides					●		
Compose and decompose shapes	●	●	●	●			
Congruency						●	
Equal parts			●				
Identify and describe shapes	●	●	●	●			
Identify shapes in the environment	●						
Line symmetry					●	◆	
Lines					●	◆	
Model and draw shapes	●	●	●	●			
Partition shapes		●	●	●			
Real-world problems						●	
Sort shapes	●	●	●				
Triangles				●	●		
Volume							
Formula for volume							●
Fractional side lengths and volume							●
Real-world problems							●
Rectangular prism							●
Use cubes to find volume							●
Statistics and Probability							
Display Data							
Box plot							●
Dot plot							●
Frequency table							●
Histogram							●
Statistical Questions							
Describe data collections							●
Distribution of data							●
Measure of center							●
Measure of variation							●
Recognize statistical questions							●

● Investigate and Analyze ◆ Apply and Extend

	K	1	2	3	4	5	6
Summarize Data							
Box plot							●
Describe data collections							●
Describe distributions							●
Dot plot							●
Effects of outliers							●
Frequency table							●
Histogram							●
Interpret data displays							●
Mean as fair share and balance point							●
Measures of central tendency							●
Measures of variability							●

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