

GO MATH!

COMMON
CORE

EDITION

Scope and Sequence Grades K–6

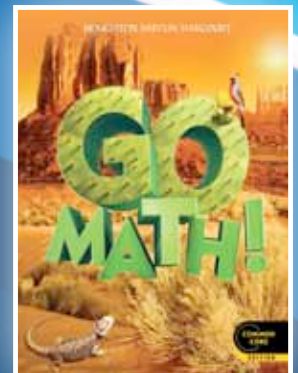
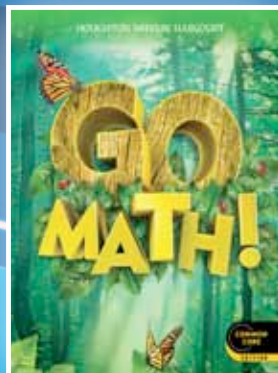
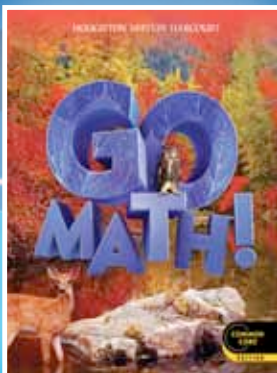
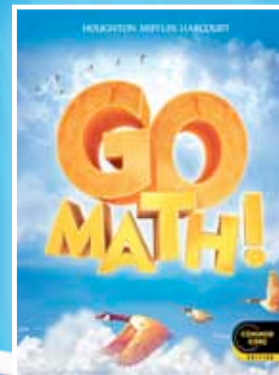


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Counting and Cardinality

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
Counting and Cardinality (CC)							
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

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
Number and Operations in Base Ten (NBT)							
Addition							
Add decimals						●	●
Add whole numbers		●	●	●	●		
Addition strategies		●	●	●			
Estimate decimal sums						●	
Properties of addition		●	●	◆	◆	●	●
Real-world 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			●				

Number and Operations in Base Ten

... Continued

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
Multiplication							
Area and array models					●		
Equations					●	◆	◆
Multiples of ten				●			
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						●	
Real-world problems						●	
Subtract decimals						●	
Subtract whole numbers		●	●	●	●		
Subtraction strategies		●	●	●			

Number and Operations—Fractions

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
Number and Operations—Fractions (NF)							
Addition with Fractions							
Add fractions					●	●	
Add mixed numbers					●	●	
Benchmark fractions						●	
Rename fractions and mixed numbers to add					●	◆	
Visual fraction models					●	◆	
Word problems					●	●	
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 with Fractions							
Distributive Property						●	
Find area of a rectangle with fractional measurements						●	
Multiples of unit fractions					●	●	
Multiply fractions					●	●	
Multiply mixed numbers					●	●	

Number and Operations—Fractions

... Continued

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
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					●	●	
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

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
Ratios and Proportional Relationships (RP)							
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							●

Ratios and Proportional Relationships

... Continued

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
Equivalent ratios							●
Percent							●
Real-world problems							●
Unit rate							●

The Number System

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
The Number System (NS)							
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							●
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							●

The Number System

... Continued

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
Plot on the number line							●
Real-world problems							●
Reflection on the axes							●

Operations and Algebraic Thinking

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
Operations and Algebraic Thinking (OA)							
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	●	●	●				
Three addends		●	●				
Word problems		●	●	●			
Write number sentences		●	●				
Division							
Basic facts			●	◆			
Division strategies			●	◆			
Equations			●	●			
Measurement quantities				●			
Model division				●			

Operations and Algebraic Thinking

... Continued

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
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			●	●	●		
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				●			

Operations and Algebraic Thinking

... Continued

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
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				●	●		
Real-world problems	●	●	●	●	●		
Subtract whole numbers	●	●	●	●			
Subtract zero		●					
Subtraction strategies		●	●				
Word problems		●	●	●			
Write number sentences		●	●				

Expressions and Equations

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
Expressions and Equations (EE)							
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							●
Symbols showing relations							●
Write inequalities							●
Numerical Expressions							
Write numerical expressions							●
Evaluate numerical expressions							●

Measurement and Data

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
Measurement and Data (MD)							
MEASUREMENT							
Length and Distance							
Add lengths			●				
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				●			
Order weights	●						
Word problems				●	●	●	
Money							
Count coins and bills			●				

Measurement and Data

... Continued

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
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				●	◆	◆	◆
Line plot			●	●	●	●	
Measurement data on a line plot			●	●	●	●	

Measurement and Data

... Continued

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
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						●	

Geometry

● Teach and Apply ◆ Practice and Apply

	K	1	2	3	4	5	6
Geometry (G)							
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					●		

Geometry

... Continued

● Teach and Apply ◆ Practice and Apply

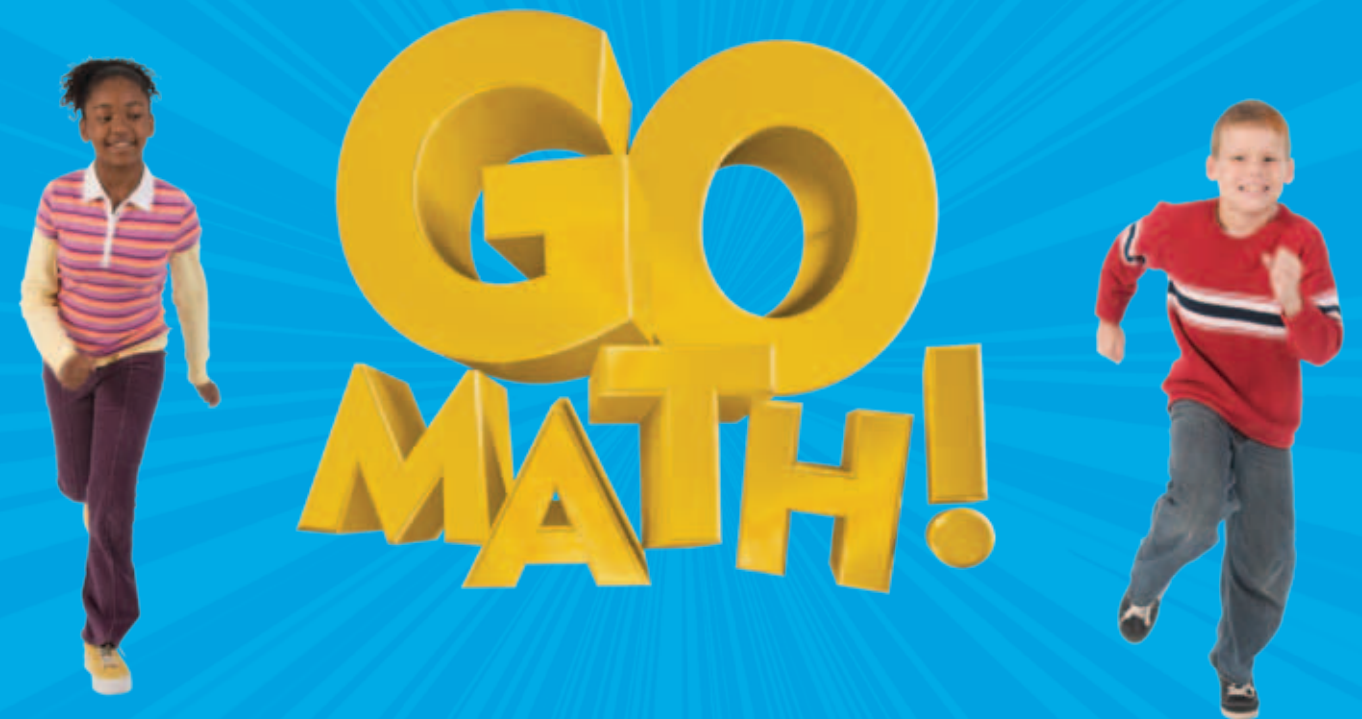
	K	1	2	3	4	5	6
Classify polygons						●	
Classify quadrilaterals					●	●	
Classify shapes		●	●	●			
Classify triangles					●	●	
Compose and decompose shapes	●	●	●	●			
Congruency						●	
Equal parts			●				
Identify and describe shapes	●	●	●	●			
Identify shapes in the environment	●						
Line symmetry					●	◆	
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

● Teach and Apply

◆ Practice and Apply

	K	1	2	3	4	5	6
Statistics and Probability (SP)							
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							●
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							●



Kindergarten

COUNTING AND CARDINALITY (K.CC)

Know number names and the count sequence.

counting and ordering
counting by ones to 20 145–148
counting by ones to 30 325–328
counting by ones to 100 329–332
counting by tens 333–336,
337–340

writing numbers to 20 17–20, 25–28,
33–36, 93–96, 101–104, 109–112,
117–120, 265–268, 273–276, 277–280,
289–292, 297–300, 313–316

Count to tell the number of objects.

counting objects 13–16, 21–24,
29–32, 33–36

counting sets of objects 61–64,
65–68, 69–72, 77–80

finding how many in all 89–92,
105–108, 109–112, 113–116, 117–120,
309–312

using one-to-one correspondence to
count 61–64, 65–68, 69–72

Compare numbers.

comparing whole numbers to 20
using counting 61–64, 65–68,
69–72, 73–76, 77–80
using one-to-one correspondence
61–64, 65–68, 69–72
using written numerals 61–64,
65–68, 69–72, 73–76, 77–80

identifying numbers 1 greater than
41–44, 65–68

identifying numbers 1 less than
70–72

OPERATIONS AND ALGEBRAIC THINKING (K.OA)

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

Addition

adding whole numbers
sums to 10 173–175, 177–180,
181–184
to make 10 141–144, 185–188

decomposing numbers
recording with drawings or
equations 37–40, 197–200,
201–204, 205–208, 209–212,
213–216
using objects or drawings 37–40,
197–200, 201–204, 205–208,
209–212, 213–216

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expressions 169–172, 173–176

inverse of subtraction 249–252

missing addend 186–188, 190–192,
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as joining 169–172
equal sets 135, 141, 168
on a ten frame 173–175
part-part-whole 181–184,
185–188
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177–180

plus symbol (+) 173–176

real-world problems 177–180

Subtraction

decomposing numbers
using drawings or equations
277–280, 285–288
using objects or drawing
261–264, 269–272, 277–280,
285–288

equal symbol (=) 233–236

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inverse of addition 249–252

minus symbol (–) 229–232

missing numbers in subtraction
242–244

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subtract to compare 153–156,
321–324

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subtracting whole numbers
differences to 10 225–228,
229–232, 233–236, 237–240

NUMBER AND OPERATIONS IN BASE TEN (K.NBT)

Work with numbers 11-19 to gain foundations for place value.

Place value

decomposing into tens and ones
recording with drawings or
equations 261–264, 269–276,
277–280, 285–288, 293–296
using objects or drawings
261–264, 269–276, 277–280,
285–288, 293–296

modeling whole numbers 261–264,
269–276, 277–280, 285–288, 293–296

place-value models 265–267,
285–287, 289–291, 293–295, 297–299

MEASUREMENT AND DATA (K.MD)

Describe and compare measurable attributes.

Length

comparing length 453–460, 465–468,
469–472, 473–475

real-world problems 473–475

Weight

comparing weights 477–480

measuring instruments 477–480

ordering weights 477–480

Kindergarten

... Continued

Classify objects and count the number of objects in each category.

Classify objects

by color 493–496

by shape 497–500

by size 501–503

Count the number of objects

by color 493–496

by shape 497–500

by size 501–503

GEOMETRY (K.G)

Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).

Identifying and describing shapes

finding shapes in the environment
359, 367, 375, 409, 411, 437–439,
441–443, 445–447

identifying shapes

circles 357–360

cones 429–431

cubes 421–424

cylinders 425–428

hexagons 389–392

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spheres 417–420

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triangles 373–376

relative position in space 437–440,
441–444, 445–448

Analyze, compare, create, and compose shapes.

Three-dimensional shapes

attributes

curved surfaces 418, 422, 426, 430

flat surfaces 418, 422, 426, 430

sliding 413–416

stacking 413–416

rolling 413–416

composing and decomposing
433–436, 444, 448

sorting shapes 413–414, 417, 421,
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Two-dimensional shapes

attributes

curves 361–364

sides 369–372, 377–380, 385–388,
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composing and decomposing
401–404

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376, 379, 381, 387–388, 395–396

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Grade 2

OPERATIONS AND ALGEBRAIC THINKING (2.OA)

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Use place value understanding and properties of operations to add and subtract.

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Grade 2

... Continued

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Grade 5

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Grade 6

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Grade 6

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**COMMON
CORE**

EDITION

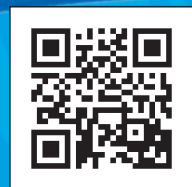


Scope and Sequence

Grades K–6

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