

## Common Core

### Standards for Mathematical Practice

Throughout the program, students at every grade level

- Make sense of problems and persevere in solving them.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics.
- Use appropriate tools strategically.
- Attend to precision.
- Look for and make use of structure.
- Look for and express regularity in repeated reasoning.

## Common Core Domains

- 91 Counting and Cardinality**  
(Grade K)
- 92 Operations and Algebraic Thinking**  
(Grades K–5)
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(Grades 3–5)
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- 102 Ratios and Proportional Relationships**  
(Grade 6)
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(Grade 6)
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**DOMAIN Counting and Cardinality K.CC**

	<b>K</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Major Cluster K.CC.A</b> Know number names and the count sequence.							
Count to 100 by ones.	<b>K.CC.A.1</b> Topic 11						
Count to 100 by tens.	<b>K.CC.A.1</b> Topic 11						
Count forward from a given number.	<b>K.CC.A.2</b> Topics 4, 6, 9, 11						
Write numbers from 0 to 20.	<b>K.CC.A.3</b> Topics 1, 3, 9						
Represent up to 20 objects with a written numeral.	<b>K.CC.A.3</b> Topics 1, 3, 9						
<b>Major Cluster K.CC.B</b> Count to tell the number of objects.							
Understand the relationship between numbers and quantities.	<b>K.CC.B.4a</b> Topics 1, 3, 9						
Connect counting to cardinality.	<b>K.CC.B.4a</b> Topics 1, 3, 9						
Count objects, saying the number names in the standard order.	<b>K.CC.B.4a</b> Topics 1, 3, 9						
Pair each object counted with one and only one number name and vice versa.	<b>K.CC.B.4a</b> Topics 1, 3, 9						
Connect the last number name said to the number of objects counted.	<b>K.CC.B.4b</b> Topics 1, 3, 9						
Understand that the number of objects is the same regardless of how they were counted.	<b>K.CC.B.4b</b> Topics 1, 3, 9						
Understand that each successive number name represents one more.	<b>K.CC.B.4c</b> Topics 1, 4, 9						
Count up to 10 things in a scattered configuration.	<b>K.CC.B.5</b> Topics 1, 3, 9						
Count up to 20 things in a line, rectangular array, or circle.	<b>K.CC.B.5</b> Topics 1, 3, 9						
Count out up to 20 objects.	<b>K.CC.B.5</b> Topics 1, 3, 9						
<b>Major Cluster K.CC.C</b> Compare numbers.							
Compare the number of objects in two groups.	<b>K.CC.C.6</b> Topics 2, 4						
Compare two numbers between 1 and 10.	<b>K.CC.C.7</b> Topics 2, 4						

# SCOPE AND SEQUENCE (continued)

DOMAIN Operations and Algebraic Thinking K.OA, 1.OA, 2.OA, 3.OA, 4.OA, 5.OA							
	K	1	2	3	4	5	6
<b>Major Cluster K.OA.A</b> Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.							
Represent addition using a variety of models.	<b>K.OA.A.1</b> Topic 6						
Represent subtraction using a variety of models.	<b>K.OA.A.1</b> Topic 7						
Add within 10 using objects and drawings.	<b>K.OA.A.2</b> Topic 6						
Solve addition word problems within 10.	<b>K.OA.A.2</b> Topic 6						
Subtract within 10 using objects and drawings.	<b>K.OA.A.2</b> Topic 7						
Solve subtraction word problems within 10.	<b>K.OA.A.2</b> Topic 7						
Decompose numbers less than or equal to 10.	<b>K.OA.A.3</b> Topics 3, 7						
Record decomposition of numbers less than or equal to 10.	<b>K.OA.A.3</b> Topics 3, 7						
Make 10 using objects and drawings.	<b>K.OA.A.4</b> Topic 8						
Record how to make 10 using a drawing or equation.	<b>K.OA.A.4</b> Topic 8						
Fluently add within 5.	<b>K.OA.A.5</b> Topics 6, 8						
Fluently subtract within 5.	<b>K.OA.A.5</b> Topics 7, 8						
<b>Major Cluster 1.OA.A</b> Represent and solve problems involving addition and subtraction.							
Add within 20 to solve word problems.		<b>1.OA.A.1</b> Topics 1, 3, 5, 6					
Subtract within 20 to solve word problems.		<b>1.OA.A.1</b> Topics 1, 4, 5, 6					
Solve word problems within 20 with three addends.		<b>1.OA.A.2</b> Topic 5					
<b>Major Cluster 2.OA.A</b> Represent and solve problems involving addition and subtraction.							
Add within 100 to solve one-step word problems.			<b>2.OA.A.1</b> Topics 1, 2, 3, 7, 8, 13, 14				
Add within 100 to solve two-step word problems.			<b>2.OA.A.1</b> Topics 3, 4, 7, 8, 13, 14				
Subtract within 100 to solve one-step word problems.			<b>2.OA.A.1</b> Topics 1, 3, 5, 6, 7, 8, 13, 14				
Subtract within 100 to solve two-step word problems.			<b>2.OA.A.1</b> Topics 5, 6, 7, 8, 13, 14				
<b>Major Cluster 1.OA.B</b> Understand and apply properties of operations and the relationship between addition and subtraction.							
Apply properties of operations as strategies to add.		<b>1.OA.B.3</b> Topics 2, 3, 5					
Apply properties of operations as strategies to subtract.		<b>1.OA.B.3</b> Topic 3					
Understand subtraction as an unknown-addend problem.		<b>1.OA.B.4</b> Topics 2, 4					
<b>Major Cluster 1.OA.C</b> Add and subtract within 20.							
Relate counting to addition.		<b>1.OA.C.5</b> Topics 2, 3					
Relate counting to subtraction.		<b>1.OA.C.5</b> Topics 2, 4					

**DOMAIN Operations and Algebraic Thinking K.OA, 1.OA, 2.OA, 3.OA, 4.OA, 5.OA** (continued)

	<b>K</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Add within 20.		<b>1.OA.C.6</b> Topics 2, 3					
Subtract within 20.		<b>1.OA.C.6</b> Topics 3, 4					
Use the relationship between addition and subtraction.		<b>1.OA.C.6</b> Topics 2, 4					
<b>Major Cluster 2.OA.B</b> Add and subtract within 20.							
Fluently add within 20 using mental strategies.			<b>2.OA.B.2</b> Topics 1, 2				
Fluently subtract within 20 using mental strategies.			<b>2.OA.B.2</b> Topic 1				
<b>Major Cluster 1.OA.D</b> Work with addition and subtraction equations.							
Understand the meaning of the equal sign.		<b>1.OA.D.7</b> Topic 5					
Determine if equations involving addition are true or false.		<b>1.OA.D.7</b> Topic 5					
Determine if equations involving subtraction are true or false.		<b>1.OA.D.7</b> Topic 5					
Determine the unknown whole number in an addition equation.		<b>1.OA.D.8</b> Topics 1, 2, 5					
Determine the unknown whole number in a subtraction equation.		<b>1.OA.D.8</b> Topics 1, 2, 5					
<b>Supporting Cluster 2.OA.C</b> Work with equal groups of objects to gain foundations for multiplication.							
Work with even and odd numbers.			<b>2.OA.C.3</b> Topic 2				
Express an even number as a sum of two equal addends.			<b>2.OA.C.3</b> Topic 2				
Use addition to find the total number of objects in rectangular arrays.			<b>2.OA.C.4</b> Topic 2				
<b>Major Cluster 3.OA.A</b> Represent and solve problems involving multiplication and division.							
Interpret products of whole numbers.				<b>3.OA.A.1</b> Topics 1, 2			
Interpret whole-number quotients of whole numbers.				<b>3.OA.A.2</b> Topic 1			
Use multiplication within 100 to solve word problems.				<b>3.OA.A.3</b> Topics 1–5, 7, 14			
Use division within 100 to solve word problems.				<b>3.OA.A.3</b> Topics 4, 5, 7			
Determine the unknown whole number in a multiplication equation.				<b>3.OA.A.4</b> Topic 4			
Determine the unknown whole number in a division equation.				<b>3.OA.A.4</b> Topic 4			
<b>Major Cluster 3.OA.B</b> Understand properties of multiplication and the relationship between multiplication and division.							
Apply properties of multiplication.				<b>3.OA.B.5</b> Topics 1–3			
Apply properties of division.				<b>3.OA.B.5</b> Topic 4			
Understand division as an unknown-factor problem.				<b>3.OA.B.6</b> Topic 4			
<b>Major Cluster 3.OA.C</b> Multiply and divide within 100.							
Fluently multiply within 100.				<b>3.OA.C.7</b> Topic 5			
Fluently divide within 100.				<b>3.OA.C.7</b> Topic 5			

# SCOPE AND SEQUENCE (continued)

DOMAIN Operations and Algebraic Thinking K.OA, 1.OA, 2.OA, 3.OA, 4.OA, 5.OA (continued)							
	K	1	2	3	4	5	6
<b>Major Cluster 3.OA.D</b> Solve problems involving the four operations, and identify and explain patterns in arithmetic.							
Solve two-step word problems.				<b>3.OA.D.8</b> Topics 4, 7, 11			
Assess the reasonableness of answers to two-step word problems.				<b>3.OA.D.8</b> Topics 4, 7, 11			
Identify and explain arithmetic patterns.				<b>3.OA.D.9</b> Topics 2, 3, 4, 5, 8			
<b>Major Cluster 4.OA.A</b> Use the four operations with whole numbers to solve problems.							
Relate multiplication equations to multiplicative comparison.					<b>4.OA.A.1</b> Topic 6		
Distinguish multiplicative comparison from additive comparison.					<b>4.OA.A.2</b> Topic 6		
Multiply to solve word problems involving multiplicative comparison.					<b>4.OA.A.2</b> Topic 6		
Divide to solve word problems involving multiplicative comparison.					<b>4.OA.A.2</b> Topic 6		
Solve multi-step word problems.					<b>4.OA.A.3</b> Topics 2, 3, 4, 5, 6		
Assess the reasonableness of answers to multi-step word problems.					<b>4.OA.A.3</b> Topics 2, 3, 4, 5, 6		
Use algebraic equations to represent multi-step word problems.					<b>4.OA.A.3</b> Topics 2–6		
<b>Additional Cluster 5.OA.A</b> Write and interpret numerical expressions.							
Use parentheses, brackets, or braces in numerical expressions.						<b>5.OA.A.1</b> Topic 13	
Evaluate numerical expressions with parentheses, brackets, or braces.						<b>5.OA.A.1</b> Topic 13	
Write numerical expressions that record calculations.						<b>5.OA.A.2</b> Topic 13	
Interpret numerical expressions.						<b>5.OA.A.2</b> Topic 13	
<b>Supporting Cluster 4.OA.B</b> Gain familiarity with factors and multiples.							
Find factor pairs.					<b>4.OA.B.4</b> Topic 7		
Recognize that a whole number is a multiple of each of its factors.					<b>4.OA.B.4</b> Topic 7		
Determine whether one number is a multiple of another.					<b>4.OA.B.4</b> Topic 7		
Identify prime or composite numbers.					<b>4.OA.B.4</b> Topic 7		
<b>Additional Cluster 5.OA.B</b> Generate and analyze patterns.							
Generate a number pattern that follows a given rule.					<b>4.OA.C.5</b> Topic 14		
Generate a shape pattern that follows a given rule.					<b>4.OA.C.5</b> Topic 14		
Describe features of a pattern.					<b>4.OA.C.5</b> Topic 14		
<b>Analyze patterns and relationships.</b>							
Generate two numerical patterns using two given rules.						<b>5.OA.B.3</b> Topic 15	
Identify relationships between corresponding terms in two numerical patterns.						<b>5.OA.B.3</b> Topic 15	
Form ordered pairs from two numerical patterns.						<b>5.OA.B.3</b> Topic 15	
Graph ordered pairs generated by two patterns.						<b>5.OA.B.3</b> Topic 15	

**DOMAIN Expressions and Equations 6.EE**

	K	1	2	3	4	5	6
<b>Major Cluster 6.EE.A</b> Apply and extend previous understandings of arithmetic to algebraic expressions.							
Write numerical expressions with exponents.							<b>6.EE.A.1</b> Topic 1
Evaluate numerical expressions with exponents.							<b>6.EE.A.1</b> Topic 1
Read and write algebraic expressions.							<b>6.EE.A.2a</b> Topic 1
Evaluate algebraic expressions.							<b>6.EE.A.2a</b> Topics 1, 7, 14
Write algebraic expressions that record operations.							<b>6.EE.A.2a</b> Topics 1, 7, 14
Identify parts of an expression using mathematical terms.							<b>6.EE.A.2b</b> Topic 1
View one or more parts of an expression as a single entity.							<b>6.EE.A.2b</b> Topic 1
Evaluate expressions at specific values of their variables.							<b>6.EE.A.2c</b> Topics 1, 6, 7, 12, 13, 14
Evaluate expressions that arise from formulas.							<b>6.EE.A.2c</b> Topic 1
Evaluate expressions using Order of Operations.							<b>6.EE.A.2c</b> Topic 1
Generate equivalent expressions.							<b>6.EE.A.3</b> Topic 1
Identify when two expressions are equivalent.							<b>6.EE.A.4</b> Topics 1, 2
<b>Major Cluster 6.EE.B</b> Reason about and solve one-variable equations and inequalities.							
Determine the values from a specified set that make an equation true.							<b>6.EE.B.5</b> Topics 2, 5
Determine the values from a specified set that make an inequality true.							<b>6.EE.B.5</b> Topic 2
Solve problems by using variables to represent numbers and write expressions.							<b>6.EE.B.6</b> Topics 1, 2, 14
Understand how variables are used.							<b>6.EE.B.6</b> Topic 1
Write and solve equations of the form $x + p = q$ .							<b>6.EE.B.7</b> Topics 2, 7, 12
Write and solve equations of the form $px = q$ .							<b>6.EE.B.7</b> Topics 2, 6, 7, 12
Write an inequality of the form $x > c$ or $x < c$ .							<b>6.EE.B.8</b> Topic 2
Recognize that inequalities of the form $x > c$ or $x < c$ have infinitely many solutions.							<b>6.EE.B.8</b> Topic 2
Represent solutions of inequalities on number lines.							<b>6.EE.B.8</b> Topic 2
<b>Major Cluster 6.EE.C</b> Represent and analyze quantitative relationships between dependent and independent variables.							
Use variables to represent two quantities that change in relationship to one another.							<b>6.EE.C.9</b> Topic 5
Analyze relationships between dependent and independent variables.							<b>6.EE.C.9</b> Topic 5

# SCOPE AND SEQUENCE (continued)

DOMAIN Number and Operations in Base Ten K.NBT, 1.NBT, 2.NBT, 3.NBT, 4.NBT, 5.NBT							
	K	1	2	3	4	5	6
<b>Major Cluster K.NBT.A</b> Work with numbers 11–19 to gain foundations for place value.							
Compose and decompose numbers from 11 to 19 into ten ones and some further ones.	<b>K.NBT.A.1</b> Topic 10						
Record composition or decomposition.	<b>K.NBT.A.1</b> Topic 10						
Understand that numbers from 11 to 19 are composed of ten ones and one to nine ones.	<b>K.NBT.A.1</b> Topic 10						
<b>Major Cluster 1.NBT.A</b> Extend the counting sequence.							
Count to 120 from a given number.		<b>1.NBT.A.1</b> Topic 7					
Read and write numerals to 120.		<b>1.NBT.A.1</b> Topic 7					
Represent up to 120 objects with a written numeral.		<b>1.NBT.A.1</b> Topic 7					
<b>Major Cluster 1.NBT.B</b> Understand place value.							
Understand that the two digits of a two-digit number represent amounts of tens and ones.		<b>1.NBT.B.2a</b> Topic 8					
Understand that 10 can be thought of as a bundle of ten ones — called a “ten.”		<b>1.NBT.B.2a</b> Topic 8					
Understand that numbers from 11 to 19 are composed of ten ones and one to nine ones.		<b>1.NBT.B.2b</b> Topic 8					
Understand that the numbers 10, 20, ... 90 refer to one to nine tens (and 0 ones).		<b>1.NBT.B.2c</b> Topics 7, 8					
Compare two two-digit numbers and use the symbols $>$ , $=$ , and $<$ .		<b>1.NBT.B.3</b> Topic 9					
<b>Major Cluster 2.NBT.A</b> Understand place value.							
Understand that the digits of a three-digit number represent amounts of hundreds, tens, and ones.			<b>2.NBT.A.1</b> Topic 9				
Understand that 100 can be thought of as a bundle of ten tens — called a “hundred.”			<b>2.NBT.A.1a</b> Topic 9				
Understand that the numbers 100, 200, ... 900 refer to one to nine hundreds (and 0 tens and 0 ones).			<b>2.NBT.A.1b</b> Topic 9				
Count within 1000.			<b>2.NBT.A.2</b> Topics 8, 9				
Skip-count by 5s, 10s, and 100s.			<b>2.NBT.A.2</b> Topics 8, 9				
Read and write base-ten numerals to 1000.			<b>2.NBT.A.3</b> Topic 9				
Read and write number names to 1000.			<b>2.NBT.A.3</b> Topic 9				
Use expanded form for numbers to 1000.			<b>2.NBT.A.3</b> Topic 9				
Compare two three-digit numbers and use the symbols $>$ , $=$ , and $<$ .			<b>2.NBT.A.4</b> Topic 9				
<b>Major Cluster 4.NBT.A</b> Generalize place value understanding for multi-digit whole numbers.							
Recognize that a digit in one place represents ten times what it represents in the place to its right.					<b>4.NBT.A.1</b> Topic 1		
Read and write base-ten numerals for multi-digit numbers.					<b>4.NBT.A.2</b> Topic 1		
Read and write number names for multi-digit numbers.					<b>4.NBT.A.2</b> Topic 1		
Use expanded form for multi-digit numbers.					<b>4.NBT.A.2</b> Topic 1		
Compare two multi-digit numbers and use the symbols $>$ , $=$ , and $<$ .					<b>4.NBT.A.2</b> Topic 1		
Round multi-digit whole numbers to any place.					<b>4.NBT.A.3</b> Topic 1		

**DOMAIN Number and Operations in Base Ten K.NBT, 1.NBT, 2.NBT, 3.NBT, 4.NBT, 5.NBT** (continued)

	<b>K</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Major Cluster 5.NBT.A</b> Understand the place value system.							
Understand how the value of a digit in one place compares to the value in the place to its right or left.						<b>5.NBT.A.1</b> Topic 1	
Explain patterns of zeros when multiplying a number by powers of 10.						<b>5.NBT.A.2</b> Topics 1, 4, 11	
Use exponents to denote powers of 10.						<b>5.NBT.A.2</b> Topics 1, 4, 11	
Explain patterns in the placement of the decimal point when a decimal is multiplied by a power of 10.						<b>5.NBT.A.2</b> Topic 4	
Explain patterns in the placement of the decimal point when a decimal is divided by a power of 10.						<b>5.NBT.A.2</b> Topic 6	
Read and write decimals to thousandths.						<b>5.NBT.A.3a</b> Topic 1	
Compare decimals to thousandths.						<b>5.NBT.A.3a</b> Topic 1	
Read and write decimals to thousandths using base-ten numerals and number names.						<b>5.NBT.A.3a</b> Topic 1	
Use expanded form for decimals.						<b>5.NBT.A.3a</b> Topic 1	
Compare decimals to thousandths using the symbols $>$ , $=$ , and $<$ .						<b>5.NBT.A.3b</b> Topic 1	
Round decimals to any place.						<b>5.NBT.A.4</b> Topics 1, 2	
<b>Major Cluster 1.NBT.C</b> Use place value understanding and properties of operations to add and subtract.							
Add a two-digit number and a one-digit number.		<b>1.NBT.C.4</b> Topic 10					
Add a two-digit number and a multiple of 10.		<b>1.NBT.C.4</b> Topic 10					
Understand place-value concepts involved in adding two-digit numbers.		<b>1.NBT.C.4</b> Topic 10					
Mentally find 10 more than a given number.		<b>1.NBT.C.5</b> Topics 10, 11					
Mentally find 10 less than a given number.		<b>1.NBT.C.5</b> Topic 11					
Subtract multiples of 10.		<b>1.NBT.C.6</b> Topic 11					
<b>Major Cluster 2.NBT.B</b> Use place value understanding and properties of operations to add and subtract.							
Fluently add within 100.			<b>2.NBT.B.5</b> Topics 3, 4				
Fluently subtract within 100.			<b>2.NBT.B.5</b> Topics 5, 6				
Add up to four two-digit numbers.			<b>2.NBT.B.6</b> Topics 3, 4				
Understand written methods for adding within 1000.			<b>2.NBT.B.7</b> Topic 10				
Understand place-value concepts for addition within 1000.			<b>2.NBT.B.7</b> Topic 10				
Subtract within 1000.			<b>2.NBT.B.7</b> Topic 11				
Understand place-value concepts for subtraction within 1000.			<b>2.NBT.B.7</b> Topic 11				
Mentally add 10 or 100.			<b>2.NBT.B.8</b> Topics 9, 10				
Mentally subtract 10 or 100.			<b>2.NBT.B.8</b> Topic 11				



# SCOPE AND SEQUENCE (continued)

DOMAIN Number and Operations in Base Ten K.NBT, 1.NBT, 2.NBT, 3.NBT, 4.NBT, 5.NBT (continued)							
	K	1	2	3	4	5	6
Explain why addition strategies work.			<b>2.NBT.B.9</b> Topics 3, 4, 10				
Explain why subtraction strategies work.			<b>2.NBT.B.9</b> Topics 5, 6, 11				
<b>Additional Cluster 3.NBT.A</b> Use place value understanding and properties of operations to perform multi-digit arithmetic.							
Round whole numbers to the nearest 10.				<b>3.NBT.A.1</b> Topic 8			
Round whole numbers to the nearest 100.				<b>3.NBT.A.1</b> Topic 8			
Fluently add within 1000.				<b>3.NBT.A.2</b> Topics 8, 9			
Fluently subtract within 1000.				<b>3.NBT.A.2</b> Topics 8, 9			
Fluently subtract within 1000 using the relationship between addition and subtraction.				<b>3.NBT.A.2</b> Topic 8			
Multiply one-digit whole numbers by multiples of 10.				<b>3.NBT.A.3</b> Topic 10			
<b>Major Cluster 4.NBT.B</b> Use place value understanding and properties of operations to perform multi-digit arithmetic.							
Fluently add multi-digit whole numbers using the standard algorithm.					<b>4.NBT.B.4</b> Topic 2		
Fluently subtract multi-digit whole numbers using the standard algorithm.					<b>4.NBT.B.4</b> Topic 2		
Multiply up to a four-digit number by a one-digit number.					<b>4.NBT.B.5</b> Topics 3, 4, 6, 7, 13		
Multiply two two-digit numbers.					<b>4.NBT.B.5</b> Topics 4, 6		
Model multi-digit multiplication.					<b>4.NBT.B.5</b> Topics 3, 4, 6		
Divide up to four-digit dividends by one-digit divisors.					<b>4.NBT.B.6</b> Topics 5, 6		
Model division of up to four-digit dividends by one-digit divisors.					<b>4.NBT.B.6</b> Topics 5, 6		
<b>Major Cluster 5.NBT.B</b> Perform operations with multi-digit whole numbers and with decimals to hundredths.							
Fluently multiply multi-digit whole numbers using the standard algorithm.						<b>5.NBT.B.5</b> Topics 3, 11	
Divide up to four-digit dividends by two-digit divisors.						<b>5.NBT.B.6</b> Topics 5, 11	
Model division of up to four-digit dividends by two-digit divisors.						<b>5.NBT.B.6</b> Topics 5, 11	
Add decimals to hundredths.						<b>5.NBT.B.7</b> Topic 2	
Subtract decimals to hundredths.						<b>5.NBT.B.7</b> Topic 2	
Subtract decimals using the relationship between addition and subtraction.						<b>5.NBT.B.7</b> Topic 2	
Multiply decimals to hundredths.						<b>5.NBT.B.7</b> Topic 4	
Divide decimals to hundredths.						<b>5.NBT.B.7</b> Topic 6	
Explain strategies used to perform decimal operations.						<b>5.NBT.B.7</b> Topics 2, 4, 6	

**DOMAIN Number and Operations—Fractions 3.NF, 4.NF, 5.NF**

	<b>K</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Major Cluster 3.NF.A</b> Develop understanding of fractions as numbers.							
Interpret proper fractions.				<b>3.NF.A.1</b> Topic 12			
Relate fractions to numbers on the number line.				<b>3.NF.A.2a</b> Topic 12			
Interpret and show unit fractions on the number line.				<b>3.NF.A.2a</b> Topic 12			
Interpret and show fractions of the form $a/b$ on the number line.				<b>3.NF.A.2b</b> Topic 12			
Explain equivalence of fractions.				<b>3.NF.A.3a</b> Topic 13			
Compare fractions by reasoning about their size.				<b>3.NF.A.3a</b> Topic 13			
Relate fraction equivalence to size.				<b>3.NF.A.3a</b> Topic 13			
Relate fraction equivalence to the number line.				<b>3.NF.A.3a</b> Topic 13			
Generate and model equivalent fractions.				<b>3.NF.A.3b</b> Topic 13			
Relate whole numbers and fractions.				<b>3.NF.A.3c</b> Topics 12, 13			
Compare two fractions with the same numerator or same denominator and use the symbols $>$ , $=$ , or $<$ .				<b>3.NF.A.3d</b> Topic 13			
<b>Major Cluster 4.NF.A</b> Extend understanding of fraction equivalence and ordering.							
Explain why a fraction $a/b$ is equivalent to a fraction $(n \times a)/(n \times b)$ .					<b>4.NF.A.1</b> Topic 8		
Recognize and generate equivalent fractions.					<b>4.NF.A.1</b> Topics 8, 11		
Compare two fractions with different numerators and different denominators and use the symbols $>$ , $=$ , or $<$ .					<b>4.NF.A.2</b> Topic 8		
<b>Major Cluster 4.NF.B</b> Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.							
Understand a fraction $a/b$ with $a > 1$ as a sum of fractions $1/b$ .					<b>4.NF.B.3a</b> Topic 9		
Interpret addition of fractions.					<b>4.NF.B.3a</b> Topic 9		
Interpret subtraction of fractions.					<b>4.NF.B.3a</b> Topic 9		
Decompose fractions.					<b>4.NF.B.3b</b> Topic 9		
Add mixed numbers with like denominators.					<b>4.NF.B.3c</b> Topic 9		
Subtract mixed numbers with like denominators.					<b>4.NF.B.3c</b> Topic 9		
Solve word problems involving addition of fractions with like denominators.					<b>4.NF.B.3d</b> Topics 9, 10, 11, 13		
Solve word problems involving subtraction of fractions with like denominators.					<b>4.NF.B.3d</b> Topics 9, 10, 11, 13		
Multiply a fraction by a whole number.					<b>4.NF.B.4a</b> Topic 10		
Understand a fraction $a/b$ as a multiple of $1/b$ .					<b>4.NF.B.4a</b> Topic 10		
Understand that $n \times (a/b) = (n \times a)/b$ .					<b>4.NF.B.4b</b> Topic 10		
Solve word problems involving multiplication of a fraction by a whole number.					<b>4.NF.B.4c</b> Topic 10		

# SCOPE AND SEQUENCE (continued)

DOMAIN Number and Operations—Fractions 3.NF, 4.NF, 5.NF (continued)							
	K	1	2	3	4	5	6
<b>4.NF.C</b> Understand decimal notation for fractions, and compare decimal fractions.							
Express a fraction with denominator 10 as an equivalent fraction with denominator 100.					<b>4.NF.C.5</b> Topic 12		
Use equivalent fractions to add two fractions with respective denominators 10 and 100.					<b>4.NF.C.5</b> Topic 12		
Use decimal notation for fractions with denominators 10 or 100.					<b>4.NF.C.6</b> Topic 12		
Use decimal notation to describe length.					<b>4.NF.C.6</b> Topic 12		
Show decimals on a number line.					<b>4.NF.C.6</b> Topic 12		
Compare two decimals to hundredths and use the symbols $>$ , $=$ , and $<$ .					<b>4.NF.C.7</b> Topic 12		
<b>Major Cluster 5.NF.A</b> Use equivalent fractions as a strategy to add and subtract fractions.							
Add fractions with unlike denominators.						<b>5.NF.A.1</b> Topic 7	
Add mixed numbers with unlike denominators.						<b>5.NF.A.1</b> Topic 7	
Subtract fractions with unlike denominators.						<b>5.NF.A.1</b> Topic 7	
Subtract mixed numbers with unlike denominators.						<b>5.NF.A.1</b> Topic 7	
Solve word problems involving addition of fractions.						<b>5.NF.A.2</b> Topics 7, 12	
Solve word problems involving subtraction of fractions.						<b>5.NF.A.2</b> Topics 7, 12	
Estimate mentally and assess the reasonableness of a fraction sum or difference.						<b>5.NF.A.2</b> Topic 7	
<b>Major Cluster 5.NF.B</b> Apply and extend previous understandings of multiplication and division to multiply and divide fractions.							
Interpret a fraction as division.						<b>5.NF.B.3</b> Topic 9	
Solve word problems involving division of whole numbers with answers that are fractions or mixed numbers.						<b>5.NF.B.3</b> Topic 9	
Multiply a whole number by a fraction.						<b>5.NF.B.4a</b> Topic 8	
Multiply a fraction by a fraction.						<b>5.NF.B.4a</b> Topic 8	
Interpret the product of a fraction and a whole number.						<b>5.NF.B.4a</b> Topic 8	
Relate multiplication of fractions and the area of a rectangle with fractional side lengths.						<b>5.NF.B.4b</b> Topic 8	
Interpret multiplication as scaling (resizing).						<b>5.NF.B.5a</b> Topic 8	
Predict the size of a product compared to the size of one factor on the basis of the size of the other factor.						<b>5.NF.B.5a</b> Topic 8	
Explain the effect of multiplying a given number by a fraction greater than 1, less than 1, or equal to 1.						<b>5.NF.B.5b</b> Topic 8	
Solve real-world problems involving multiplication of fractions.						<b>5.NF.B.6</b> Topics 8, 12	
Solve real-world problems involving multiplication of mixed numbers.						<b>5.NF.B.6</b> Topic 8	
Divide whole numbers and unit fractions.						<b>5.NF.B.7a</b> Topic 9	
Interpret division of a unit fraction by a whole number.						<b>5.NF.B.7a</b> Topic 9	
Interpret division of a whole number by a unit fraction.						<b>5.NF.B.7b</b> Topic 9	
Solve real-world problems involving division of fractions and whole numbers.						<b>5.NF.B.7c</b> Topic 9	

**DOMAIN The Number System 6.NS**

	<b>K</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Major Cluster 6.NS.A</b> Apply and extend previous understandings of multiplication and division to divide fractions by fractions.							
Divide fractions.							<b>6.NS.A.1</b> Topic 12
Solve word problems involving division of fractions by fractions.							<b>6.NS.A.1</b> Topic 12
<b>Additional Cluster 6.NS.B</b> Compute fluently with multi-digit numbers and find common factors and multiples.							
Fluently divide multi-digit numbers using the standard algorithm.							<b>6.NS.B.2</b> Topics 6, 7
Fluently add multi-digit decimals using the standard algorithm.							<b>6.NS.B.3</b> Topic 7
Fluently subtract multi-digit decimals using the standard algorithm.							<b>6.NS.B.3</b> Topic 7
Fluently multiply multi-digit decimals using the standard algorithm.							<b>6.NS.B.3</b> Topic 7
Fluently divide decimals using the standard algorithm.							<b>6.NS.B.3</b> Topic 7
Find the greatest common factor of two numbers.							<b>6.NS.B.4</b> Topic 8
Find the least common multiple of two numbers.							<b>6.NS.B.4</b> Topic 8
Use the distributive property.							<b>6.NS.B.4</b> Topic 8
<b>Major Cluster 6.NS.C</b> Apply and extend previous understandings of numbers to the system of rational numbers.							
Interpret positive and negative numbers.							<b>6.NS.C.5</b> Topic 3
Show rational numbers on the number line.							<b>6.NS.C.6</b> Topic 3
Show points on the number line with negative number coordinates.							<b>6.NS.C.6a</b> Topic 3
Interpret opposites of numbers.							<b>6.NS.C.6a</b> Topic 3
Relate signs of numbers in ordered pairs to quadrants of the coordinate plane.							<b>6.NS.C.6b</b> Topic 4
Relate signs of numbers in ordered pairs to reflections in the coordinate plane.							<b>6.NS.C.6b</b> Topic 4
Graph points with negative number coordinates.							<b>6.NS.C.6c</b> Topics 4, 13
Find and position integers on a horizontal or vertical number line.							<b>6.NS.C.6c</b> Topic 3
Find and position pairs of integers on a coordinate plane.							<b>6.NS.C.6c</b> Topics 4, 13
Find and position pairs of rational numbers on a coordinate plane.							<b>6.NS.C.6c</b> Topics 4, 13
Order rational numbers.							<b>6.NS.C.7a</b> Topic 3
Understand absolute value.							<b>6.NS.C.7a</b> Topic 3
Relate inequalities to number lines.							<b>6.NS.C.7a</b> Topic 3
Write, interpret, and explain ordering of rational numbers in real-world contexts.							<b>6.NS.C.7b</b> Topic 3
Interpret the absolute value of a rational number.							<b>6.NS.C.7c</b> Topic 3
Relate absolute value and order.							<b>6.NS.C.7d</b> Topic 3
Graph points in the coordinate plane.							<b>6.NS.C.8</b> Topics 4, 13
Find distances between points with the same first coordinate or the same second coordinate.							<b>6.NS.C.8</b> Topics 4, 13

# SCOPE AND SEQUENCE (continued)

DOMAIN Ratios and Proportional Relationships 6.RP.A							
	K	1	2	3	4	5	6
<b>Major Cluster 6.RP.A</b> Understand ratio concepts and use ratio reasoning to solve problems.							
Understand and apply the concept of a ratio.							<b>6.RP.A.1</b> Topic 9
Understand the concept of a unit rate.							<b>6.RP.A.2</b> Topic 10
Use rate language.							<b>6.RP.A.2</b> Topic 10
Solve problems involving ratios.							<b>6.RP.A.3a</b> Topics 9, 10
Make tables of equivalent ratios.							<b>6.RP.A.3a</b> Topic 9
Find missing values in tables of equivalent ratios.							<b>6.RP.A.3a</b> Topics 9, 10
On the coordinate plane, plot pairs of values given in tables of equivalent ratios.							<b>6.RP.A.3a</b> Topics 9, 10
Use tables to compare ratios.							<b>6.RP.A.3a</b> Topics 9, 10
Solve unit rate problems.							<b>6.RP.A.3b</b> Topic 10
Find a percent of a quantity.							<b>6.RP.A.3c</b> Topic 11
Find the whole, given a part and the percent.							<b>6.RP.A.3c</b> Topic 11
Convert measurement units.							<b>6.RP.A.3d</b> Topic 10
Transform measurement units when multiplying or dividing quantities.							<b>6.RP.A.3d</b> Topic 10

**DOMAIN Measurement and Data K.MD, 1.MD, 2.MD, 3.MD, 4.MD, 5.MD**

	<b>K</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Additional Cluster K.MD.A</b> Describe and compare measurable attributes.							
Describe length as a measurable attribute of objects.	<b>K.MD.A.1</b> Topic 14						
Describe weight as a measurable attribute of objects.	<b>K.MD.A.1</b> Topic 14						
Describe several measurable attributes of a single object.	<b>K.MD.A.1</b> Topic 14						
Directly compare and describe two objects with a measurable attribute in common.	<b>K.MD.A.2</b> Topic 14						
<b>Major Cluster 1.MD.A</b> Measure lengths indirectly and by iterating length units.							
Order three objects by length.		<b>1.MD.A.1</b> Topic 12					
Compare the lengths of two objects indirectly by using a third object.		<b>1.MD.A.1</b> Topic 12					
Understand and use length units.		<b>1.MD.A.2</b> Topic 12					
<b>Major Cluster 2.MD.A</b> Measure and estimate lengths in standard units.							
Use rulers, yardsticks, meter sticks, and measuring tapes.			<b>2.MD.A.1</b> Topic 12				
Use and analyze different length units for the same object.			<b>2.MD.A.2</b> Topic 12				
Estimate lengths using inches or feet.			<b>2.MD.A.3</b> Topic 12				
Find how much longer one object is than another in standard units.			<b>2.MD.A.4</b> Topic 12				
<b>Major Cluster 2.MD.B</b> Relate addition and subtraction to length.							
Use addition to solve word problems involving lengths.			<b>2.MD.B.5</b> Topics 12, 13				
Use subtraction to solve word problems involving lengths.			<b>2.MD.B.5</b> Topics 12, 13				
Represent whole numbers as lengths on a number line.			<b>2.MD.B.6</b> Topic 13				
Show sums and differences within 100 on a number line.			<b>2.MD.B.6</b> Topic 13				
<b>Additional Cluster 1.MD.B</b> Tell and write time.							
Tell and write time in hours.		<b>1.MD.B.3</b> Topic 13					
Tell and write time in half-hours.		<b>1.MD.B.3</b> Topic 13					
<b>Supporting Cluster 2.MD.C</b> Work with time and money.							
Tell and write time to the nearest five minutes.			<b>2.MD.C.7</b> Topic 8				
Use a.m. and p.m.			<b>2.MD.C.7</b> Topic 8				
Solve word problems involving dollars and cents.			<b>2.MD.C.8</b> Topic 8				
Use \$ and ¢ symbols.			<b>2.MD.C.8</b> Topic 8				
<b>Major Cluster 3.MD.A</b> Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.							
Tell and write time to the nearest minute.				<b>3.MD.A.1</b> Topic 14			
Measure time intervals in minutes.				<b>3.MD.A.1</b> Topic 14			
Solve word problems involving addition and subtraction of time intervals in minutes.				<b>3.MD.A.1</b> Topic 14			
Represent a time problem on a number line.				<b>3.MD.A.1</b> Topic 14			

# SCOPE AND SEQUENCE (continued)

DOMAIN Measurement and Data K.MD, 1.MD, 2.MD, 3.MD, 4.MD, 5.MD (continued)							
	K	1	2	3	4	5	6
Measure and estimate liquid volumes using standard units of liters (l).				3.MD.A.2 Topic 14			
Solve one-step word problems involving liquid volumes.				3.MD.A.2 Topic 14			
<b>Supporting Cluster 4.MD.A</b> Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.							
Know relative sizes of measurement units within one system of units.					4.MD.A.1 Topic 13		
Know relative sizes of units of length.					4.MD.A.1 Topic 13		
Know relative sizes of units of mass.					4.MD.A.1 Topic 13		
Know relative sizes of units of weight.					4.MD.A.1 Topic 13		
Know relative sizes of units of liquid volume.					4.MD.A.1 Topic 13		
Know relative sizes of units of time.					4.MD.A.1 Topic 13		
Convert from larger units to smaller units.					4.MD.A.1 Topic 13		
Make a table of measurement equivalents.					4.MD.A.1 Topic 13		
Solve word problems involving distances.					4.MD.A.2 Topics 10, 12, 13		
Solve word problems involving intervals of time.					4.MD.A.2 Topics 10, 12		
Solve word problems involving liquid volumes.					4.MD.A.2 Topic 13		
Solve word problems involving masses of objects.					4.MD.A.2 Topic 13		
Solve word problems involving money.					4.MD.A.2 Topics 12, 13		
Use the four operations to solve measurement word problems involving simple fractions.					4.MD.A.2 Topics 10, 12, 13		
Represent measurement quantities on number line diagrams.					4.MD.A.2 Topics 10, 12, 13		
Use the area formula for rectangles.					4.MD.A.3 Topic 13		
Use the perimeter formula for rectangles.					4.MD.A.3 Topic 13		
<b>Supporting Cluster 5.MD.A</b> Convert like measurement units within a given measurement system.							
Convert measurement units.						5.MD.A.1 Topic 11	
Use conversions to solve real-world problems.						5.MD.A.1 Topic 11	
<b>Major Cluster 3.MD.C</b> Geometric measurement: understand concepts of area and relate area to multiplication and to addition.							
Recognize area as an attribute of plane figures.				3.MD.C.5a Topic 6			
Understand concepts of area measurement.				3.MD.C.5a Topic 6			
Understand the concept of square unit.				3.MD.C.5a Topic 6			
Relate $n$ unit squares to an area of $n$ square units.				3.MD.C.5b Topics 6, 15			

**DOMAIN Measurement and Data K.MD, 1.MD, 2.MD, 3.MD, 4.MD, 5.MD** (continued)

	<b>K</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Measure areas by counting in square inches and feet.				<b>3.MD.C.6</b> Topic 6			
Measure areas by counting unit squares in improvised units.				<b>3.MD.C.6</b> Topic 6			
Relate area to the operation of multiplication.				<b>3.MD.C.7a</b> Topic 14			
Relate area to the operation of addition.				<b>3.MD.C.7a</b> Topic 6			
Find the area of a rectangle by tiling it.				<b>3.MD.C.7a</b> Topic 6			
Show that the area of a rectangle can be found by multiplying the side lengths.				<b>3.MD.C.7a</b> Topic 6			
Multiply side lengths to find areas of rectangles.				<b>3.MD.C.7b</b> Topics 6, 16			
Represent whole-number products as rectangular areas in mathematical reasoning.				<b>3.MD.C.7b</b> Topics 6, 16			
Use tiling to show that the area of a rectangle with side lengths $a$ and $b + c$ is the sum of $a \times b$ and $a \times c$ .				<b>3.MD.C.7c</b> Topic 6			
Use area models to represent the distributive property.				<b>3.MD.C.7c</b> Topic 6			
Find areas of rectilinear figures by decomposing them into non-overlapping rectangles.				<b>3.MD.C.7d</b> Topic 6			
<b>Additional Cluster 3.MD.D</b> Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.							
Solve perimeter problems.				<b>3.MD.D.8</b> Topic 16			
Solve perimeter problems involving finding an unknown side length.				<b>3.MD.D.8</b> Topic 16			
Exhibit rectangles with the same perimeter and different areas.				<b>3.MD.D.8</b> Topic 16			
Exhibit rectangles with the same area and different perimeters.				<b>3.MD.D.8</b> Topic 16			
<b>Additional Cluster 4.MD.C</b> Geometric measurement: understand concepts of angle and measure angles.							
Understand how angles are formed.					<b>4.MD.C.5a</b> Topic 15		
Understand concepts of angle measurement.					<b>4.MD.C.5a</b> Topic 15		
Relate angle measurement in degrees to circles.					<b>4.MD.C.5a</b> Topic 15		
Relate one-degree angles to $n$ -degree angles.					<b>4.MD.C.5b</b> Topic 15		
Measure angles using a protractor.					<b>4.MD.C.6</b> Topic 15		
Sketch angles of specified measure.					<b>4.MD.C.6</b> Topic 15		
Recognize angle measure as additive.					<b>4.MD.C.7</b> Topic 15		
Solve addition and subtraction problems to find unknown angles on a diagram.					<b>4.MD.C.7</b> Topic 15		
<b>Major Cluster 5.MD.C</b> Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.							
Recognize volume as an attribute of solid figures.						<b>5.MD.C.3a</b> Topic 10	
Understand concepts of volume measurement.						<b>5.MD.C.3a</b> Topic 10	
Understand the concept of cubic unit.						<b>5.MD.C.3a</b> Topic 10	
Relate $n$ unit cubes to a volume of $n$ cubic units.						<b>5.MD.C.3b</b> Topic 10	



# SCOPE AND SEQUENCE (continued)

DOMAIN Measurement and Data K.MD, 1.MD, 2.MD, 3.MD, 4.MD, 5.MD (continued)							
	K	1	2	3	4	5	6
Measure volumes by counting in cubic inches and feet.						5.MD.C.4 Topic 10	
Measure volumes by counting unit cubes in improvised units.						5.MD.C.4 Topic 10	
Relate volume to the operations of multiplication and addition.						5.MD.C.5a Topic 10	
Solve real-world and mathematical problems involving volume.						5.MD.C.5a Topic 10	
Show that the volume of a right rectangular prism can be found by multiplying the edge lengths.						5.MD.C.5a Topic 10	
Show that the volume of a right rectangular prism can be found by multiplying the height by the area of the base.						5.MD.C.5a Topic 10	
Represent threefold whole-number products as volumes.						5.MD.C.5a Topic 10	
Use the formulas $V = \ell \times w \times h$ and $V = b \times h$ for rectangular prisms.						5.MD.C.5b Topic 10	
Find volumes of solid figures composed of two non-overlapping right rectangular prisms.						5.MD.C.5c Topic 10	
<b>Supporting Cluster K.MD.B.3</b> Classify objects and count the number of objects in each category.							
Classify objects into given categories.	K.MD.B.3 Topic 5						
Count the numbers of objects in a category.	K.MD.B.3 Topic 5						
Sort categories by count.	K.MD.B.3 Topic 5						
<b>Supporting Cluster 1.MD.C.4</b> Represent and interpret data.							
Organize, represent, interpret, and compare data with up to three categories.		1.MD.C.4 Topic 6					
<b>Supporting Cluster 2.MD.D</b> Represent and interpret data.							
Measure objects to generate whole-number length data.			2.MD.D.9 Topic 14				
Make repeated measurements of the same object to generate length data.			2.MD.D.9 Topic 14				
Draw a picture graph to represent a data set with up to four categories.			2.MD.D.10 Topic 14				
Draw a bar graph with up to four categories.			2.MD.D.10 Topic 14				
Solve problems using data presented in a bar graph.			2.MD.D.10 Topic 14				
<b>Supporting Cluster 3.MD.B</b> Represent and interpret data.							
Draw a scaled picture graph to represent a data set with several categories.				3.MD.B.3 Topic 7			
Draw a scaled bar graph to represent a data set with several categories.				3.MD.B.3 Topic 7			
Solve problems using information presented in scaled bar graphs.				3.MD.B.3 Topic 7			
Find lengths involving halves and fourths of a unit and display them in a line plot.				3.MD.B.4 Topic 12			
<b>Supporting Cluster 4.MD.B</b> Represent and interpret data.							
Solve problems involving addition and subtraction of fractions by using measurement data in line plots.					4.MD.B.4 Topic 11		
Make a line plot to display measurements involving halves, fourths, and eighths of a unit.					4.MD.B.4 Topic 11		
<b>Supporting Cluster 5.MD.B</b> Represent and interpret data.							
Solve problems involving fraction operations by using measurement data in line plots.						5.MD.B.2 Topic 12	

**DOMAIN Statistics and Probability 6.SP**

	<b>K</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Additional Cluster 6.SP.A</b> Develop understanding of statistical variability.							
Understand statistical questions.							<b>6.SP.A.1</b> Topic 15
Understand how data are described by a measure of center.							<b>6.SP.A.2</b> Topic 15
Understand how data are described by their spread.							<b>6.SP.A.2</b> Topic 15
Understand how data are described by the overall shape.							<b>6.SP.A.2</b> Topic 15
Understand how a measure of center describes the data values.							<b>6.SP.A.3</b> Topic 15
Understand how a measure of variability describes how the data values in a set vary.							<b>6.SP.A.3</b> Topic 15
<b>Additional Cluster 6.SP.B</b> Summarize and describe distributions.							
Display numerical data in plots on a number line.							<b>6.SP.B.4</b> Topic 16
Display numerical data in dot plots.							<b>6.SP.B.4</b> Topics 15, 16
Display numerical data in histograms.							<b>6.SP.B.4</b> Topics 15, 16
Display numerical data in box plots.							<b>6.SP.B.4</b> Topic 16
Summarize numerical data in relation to their context.							<b>6.SP.B.5a</b> Topic 16
For numerical data, report the number of observations.							<b>6.SP.B.5a</b> Topic 16
For numerical data, describe the nature of the attribute under investigation.							<b>6.SP.B.5b</b> Topic 16
For numerical data, describe how the investigated attribute was measured and its units of measurement.							<b>6.SP.B.5b</b> Topic 16
Find the median of a set of data.							<b>6.SP.B.5c</b> Topics 15, 16
Find the mean of a set of data.							<b>6.SP.B.5c</b> Topics 15, 16
Find the interquartile range and/or mean absolute deviation of a data set.							<b>6.SP.B.5c</b> Topic 16
Describe overall patterns or deviations in a data set.							<b>6.SP.B.5c</b> Topic 16
Relate a measure of center to the shape of the data distribution and context of data collection.							<b>6.SP.B.5d</b> Topic 16
Relate a measure of variability to the shape of the data distribution and context of data collection.							<b>6.SP.B.5d</b> Topic 16

# SCOPE AND SEQUENCE (continued)

DOMAIN <b>Geometry K.G, 1.G, 2.G, 3.G, 4.G, 5.G, 6.G</b>							
	<b>K</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Additional Cluster K.G.A</b> Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).							
Describe shapes in the environment.	<b>K.G.A.1</b> Topic 12						
Describe position.	<b>K.G.A.1</b> Topic 12						
Correctly name shapes regardless of their orientations.	<b>K.G.A.2</b> Topic 12						
Correctly name shapes regardless of their overall size.	<b>K.G.A.2</b> Topic 12						
Identify two-dimensional shapes as flat.	<b>K.G.A.3</b> Topics 12, 13						
Identify three-dimensional shapes as solid.	<b>K.G.A.3</b> Topics 12, 13						
<b>Additional Cluster K.G.B</b> Analyze, compare, create, and compose shapes.							
Analyze and compare two- and three-dimensional shapes in different sizes.	<b>K.G.B.4</b> Topics 12, 13						
Analyze and compare two- and three-dimensional shapes in different orientations.	<b>K.G.B.4</b> Topics 12, 13						
Build and draw shapes to model shapes in the world.	<b>K.G.B.5</b> Topic 13						
Compose simple shapes to form larger shapes.	<b>K.G.B.6</b> Topic 13						
<b>Additional Cluster 1.G.A</b> Reason with shapes and their attributes.							
Distinguish between defining attributes versus non-defining attributes.		<b>1.G.A.1</b> Topic 14					
Build and draw shapes with defining attributes.		<b>1.G.A.1</b> Topic 14					
Compose two- and three-dimensional shapes.		<b>1.G.A.2</b> Topic 14					
Compose new shapes from composite shapes.		<b>1.G.A.2</b> Topic 14					
Partition circles and rectangles into two equal shares and use related vocabulary.		<b>1.G.A.3</b> Topic 15					
Partition circles and rectangles into four equal shares and use related vocabulary.		<b>1.G.A.3</b> Topic 15					
Recognize that decomposing shapes into more equal shares creates smaller shares.		<b>1.G.A.3</b> Topic 15					
<b>Additional Cluster 2.G.A</b> Reason with shapes and their attributes.							
Recognize and draw two- and three-dimensional shapes having specified attributes.			<b>2.G.A.1</b> Topic 15				
Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.			<b>2.G.A.1</b> Topic 15				
Partition a rectangle into rows and columns of same-size squares and count the squares.			<b>2.G.A.2</b> Topic 15				
Partition circles and rectangles into two, three, or four equal shares, and use related vocabulary.			<b>2.G.A.3</b> Topic 15				
Recognize that equal shares of identical wholes need not have the same shape.			<b>2.G.A.3</b> Topic 15				
<b>Supporting Cluster 3.G.A</b> Reason with shapes and their attributes.							
Understand that shapes in different categories may share attributes.				<b>3.G.A.1</b> Topic 15			
Understand that shared attributes of shapes can define a larger category.				<b>3.G.A.1</b> Topic 15			
Recognize rhombuses, rectangles, and squares as examples of quadrilaterals and draw quadrilaterals that are non-examples.				<b>3.G.A.1</b> Topic 15			
Partition shapes into parts with equal areas.				<b>3.G.A.2</b> Topic 12			

**DOMAIN Geometry K.G, 1.G, 2.G, 3.G, 4.G, 5.G, 6.G** (continued)

	<b>K</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Express the area of each equal part of a shape as a unit fraction of the whole.				<b>3.G.A.2</b> Topic 12			
<b>Additional Cluster 4.G.A</b> Draw and identify lines and angles, and classify shapes by properties of their lines and angles.							
Draw and identify points, lines, line segments, and rays.					<b>4.G.A.1</b> Topic 15		
Draw and identify parallel and perpendicular lines.					<b>4.G.A.1</b> Topic 16		
Draw and identify angles.					<b>4.G.A.1</b> Topics 15, 16		
Draw and identify right, acute, and obtuse angles.					<b>4.G.A.1</b> Topics 15, 16		
Use parallel or perpendicular lines to classify figures.					<b>4.G.A.2</b> Topic 16		
Use angle measure to classify figures.					<b>4.G.A.2</b> Topic 16		
Categorize and identify right triangles.					<b>4.G.A.2</b> Topic 16		
Understand line symmetry.					<b>4.G.A.3</b> Topic 16		
Identify line-symmetric figures.					<b>4.G.A.3</b> Topic 16		
Draw lines of symmetry.					<b>4.G.A.3</b> Topic 16		
<b>Additional Cluster 5.G.B</b> Classify two-dimensional figures into categories based on their properties.							
Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category.						<b>5.G.B.3</b> Topic 16	
Classify two-dimensional figures in a hierarchy based on properties.						<b>5.G.B.4</b> Topic 16	
<b>Additional Cluster 5.G.A</b> Graph points on the coordinate plane to solve real-world and mathematical problems.							
Understand a coordinate system.						<b>5.G.A.1</b> Topic 14	
Graph points in the first quadrant of the coordinate plane.						<b>5.G.A.2</b> Topics 14, 15	
Interpret coordinate values of points in the first quadrant of the coordinate plane.						<b>5.G.A.2</b> Topics 14, 15	
<b>Supporting Cluster 6.G.A</b> Solve real-world and mathematical problems involving area, surface area, and volume.							
Find area by composing a figure into rectangles.							<b>6.G.A.1</b> Topic 13
Find area by decomposing a figure into triangles and other shapes.							<b>6.G.A.1</b> Topic 13
Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths.							<b>6.G.A.2</b> Topic 14
Show that the volume of a right rectangular prism with fractional edge lengths can be found by multiplying the edge lengths of the prism.							<b>6.G.A.2</b> Topic 14
Apply the formulas $V = \ell w h$ and $V = b h$ to find volumes of right rectangular prisms with fractional edge lengths.							<b>6.G.A.2</b> Topic 14
Draw polygons in the coordinate plane.							<b>6.G.A.3</b> Topics 4, 13
Find the length of a side of a polygon drawn in the coordinate plane.							<b>6.G.A.3</b> Topics 4, 13
Represent three-dimensional figures using nets.							<b>6.G.A.4</b> Topic 14
Use nets to find the surface area of three-dimensional figures.							<b>6.G.A.4</b> Topic 14