

**Scope and Sequence** 



#### **SCOPE AND SEQUENCE**

#### **©** 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)
- 95 Expressions and Equations (Grade 6)
- 96 Number and Operations in Base Ten (Grades K-5)
- 99 Number and Operations Fractions (Grades 3–5)
- 101 The Number System (Grade 6)
- 102 Ratios and Proportional Relationships (Grade 6)
- 103 Measurement and Data (Grades K–5)
- 107 Statistics and Probability (Grade 6)
- 108 Geometry (Grades K-6)

DOMAIN Counting and Cardinal	-						
	K	1	2	3	4	5	6
Major Cluster K.CC.A Know number	names and the c	ount sequence	).				
Count to 100 by ones.	K.CC.A.1 Topic 11						
Count to 100 by tens.	K.CC.A.1 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						
Major Cluster K.CC.B Count to tell th	e number of obje	ects.					
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						
Major Cluster K.CC.C Compare num	bers.						
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						

	K	1	2	3	4	5	6
Major Cluster K.OA.A Understand ac	dition as puttir	ng together and	adding to, and	d understand su	btraction as ta	king apart and	taking fron
Represent addition using a variety of models.	K.OA.A.1 Topic 6						
Represent subtraction using a variety of models.	<b>K.OA.A.1</b> Topic 7						
Add within 10 using objects and drawings.	K.OA.A.2 Topic 6						
Solve addition word problems within 10.	K.OA.A.2 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.	K.OA.A.4 Topic 8						
Record how to make 10 using a drawing or equation.	K.OA.A.4 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						
Major Cluster 1.OA.A Represent and	solve problem		dition and subt	raction.			
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.		1.OA.A.1 Topics 1, 4, 5, 6					
Solve word problems within 20 with three addends.		<b>1.OA.A.2</b> Topic 5					
Major Cluster 2.OA.A Represent and	l solve problem		dition and subt	raction.			
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>2.0A.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				
Major Cluster 1.OA.B Understand ar	nd apply prope	· · · · · · · · · · · · · · · · · · ·	ions and the re	lationship betw	reen addition c	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					
Major Cluster 1.OA.C Add and subtr	act within 20.						
Relate counting to addition.		<b>1.OA.C.5</b> Topics 2, 3					
Relate counting to subtraction.		1.OA.C.5 Topics 2, 4					

	K	1	2	3	4	5	6
Add within 20.		<b>1.OA.C.6</b> Topics 2, 3					
Subtract within 20.		1.OA.C.6 Topics 3, 4					
Use the relationship between addition and subtraction.		<b>1.OA.C.6</b> Topics 2, 4					
Major Cluster 2.OA.B Add and subti	ract 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				
Major Cluster 1.OA.D Work with ad	dition and sul	btraction equation	ons.				
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					
Supporting Cluster 2.OA.C Work w	ith equal gro	ups of objects to	gain foundat	ions for multiplic	ation.		
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				
Major Cluster 3.OA.A Represent and	l solve proble	ems involving mu	ultiplication an	nd division.			
Interpret products of whole numbers.				<b>3.0A.A.1</b> Topics 1, 2			
Interpret whole-number quotients of whole numbers.				<b>3.0A.A.2</b> Topic 1			
Use multiplication within 100 to solve word problems.				<b>3.0A.A.3</b> Topics 1–5, 7, 14			
Use division within 100 to solve word problems.				<b>3.0A.A.3</b> Topics 4, 5, 7			
Determine the unknown whole number in a multiplication equation.				<b>3.0A.A.4</b> Topic 4			
Determine the unknown whole number in a division equation.				<b>3.0A.A.4</b> Topic 4			
Major Cluster 3.OA.B Understand pr	operties of m	ultiplication and	the relations	nip between mult	iplication and	d division.	
Apply properties of multiplication.				<b>3.OA.B.5</b> Topics 1–3			
Apply properties of division.				<b>3.0A.B.5</b> Topic 4			
Understand division as an unknown-factor problem.				<b>3.OA.B.6</b> Topic 4			
Major Cluster 3.OA.C Multiply and a	divide within	100.					
Fluently multiply within 100.				<b>3.OA.C.7</b> Topic 5			
Fluently divide within 100.				3.OA.C.7			

	K	1	2	3	4	5	6
Major Cluster 3.OA.D Solve problem	s involving the	four operations	s, and identify	and explain p	atterns in arith	metic.	
Solve two-step word problems.				<b>3.OA.D.8</b> Topics <i>4</i> , <i>7</i> , 11			
Assess the reasonableness of answers to two-step word problems.				<b>3.OA.D.8</b> Topics <i>4</i> , <i>7</i> , 11			
Identify and explain arithmetic patterns.				<b>3.OA.D.9</b> Topics 2, 3, 4, 5, 8			
Major Cluster 4.OA.A Use the four or	perations with	whole numbers	to solve prob	lems.			
Relate multiplication equations to multiplicative comparison.					<b>4.0A.A.1</b> Topic 6		
Distinguish multiplicative comparison from additive comparison.					<b>4.0A.A.2</b> Topic 6		
Multiply to solve word problems involving multiplicative comparison.					<b>4.0A.A.2</b> Topic 6		
Divide to solve word problems involving multiplicative comparison.					<b>4.0A.A.2</b> Topic 6		
Solve multi-step word problems.					<b>4.0A.A.3</b> Topics 2, 3, 4, 5, 6		
Assess the reasonableness of answers to multi- step word problems.					<b>4.0A.A.3</b> Topics 2, 3, 4, 5, 6		
Use algebraic equations to represent multi-step word problems.					<b>4.0A.A.3</b> Topics 2–6		
Additional Cluster 5.OA.A Write an	d interpret num	erical expressi	ons.				
Use parentheses, brackets, or braces in numerical expressions.						<b>5.0A.A.1</b> Topic 13	
Evaluate numerical expressions with parentheses, brackets, or braces.						<b>5.0A.A.1</b> Topic 13	
Write numerical expressions that record calculations.						<b>5.0A.A.2</b> Topic 13	
Interpret numerical expressions.						<b>5.OA.A.2</b> Topic 13	
Supporting Cluster 4.OA.B Gain far	miliarity with fa	ctors and multi	ples.				
Find factor pairs.					<b>4.0A.B.4</b> Topic 7		
Recognize that a whole number is a multiple of each of its factors.					<b>4.0A.B.4</b> Topic 7		
Determine whether one number is a multiple of another.					<b>4.0A.B.4</b> Topic 7		
Identify prime or composite numbers.					<b>4.0A.B.4</b> Topic 7		
Additional Cluster 5.OA.B Generate	and analyze p	oatterns.					
Generate a number pattern that follows a given rule.					<b>4.0A.C.5</b> Topic 14		
Generate a shape pattern that follows a given rule.					<b>4.0A.C.5</b> Topic 14		
Describe features of a pattern.					<b>4.0A.C.5</b> Topic 14		
Analyze patterns and relationship	5.						
Generate two numerical patterns using two given rules.						<b>5.0A.B.3</b> Topic 15	
Identify relationships between corresponding terms in two numerical patterns.						<b>5.0A.B.3</b> Topic 15	
Form ordered pairs from two numerical patterns.						<b>5.0A.B.3</b> Topic 15	
Graph ordered pairs generated by two patterns.						<b>5.OA.B.3</b> Topic 15	

DOMAIN Expressions and Equation	ons 6.EE						
	K	1	2	3	4	5	6
Major Cluster 6.EE.A Apply and exten	d previous un	derstandings	of arithmetic to	o algebraic expi	ressions.		
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.2</b> a Topic 1
Evaluate algebraic expressions.							<b>6.EE.A.2</b> a Topics 1, 7, 1
Write algebraic expressions that record operations.							<b>6.EE.A.2</b> a Topics 1, 7, 1
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.2</b> c 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
Major Cluster 6.EE.B Reason about an	d solve one-v	ariable equati	ons and inequ	ualities.			
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, 1
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, 1
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
Major Cluster 6.EE.C Represent and ar	nalyze q <u>uanti</u> t	ative relations	ships between	dependent and	independent v	ariables.	
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

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	to gain founda	ations for place	value.			
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	1.NBT.A.1					
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	Topic 8					
	1.NBT.B.2a					
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	Topic 8					
	1.NBT.B.2c					
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	Topic 9					
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		2.NBT.A.1				
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		Topic 9				
		2.NBT.A.1b				
		Topic 9				
		2.NBT.A.2				
		Topics 8, 9				
		2.NBT.A.3				
		Topic 9				
		2.NBT.A.3				
		2.NBT.A.3				
		Topic 9				
		2.NBT.A.4				
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				Topic 1		
				<b>4.NBT.A.2</b> Topic 1		
				<b>4.NBT.A.2</b> Topic 1		
				4.NBT.A.2		
				Topic 1  4 NRT A 2		
				Topic 1		
	K.NBT.A.1 Topic 10 K.NBT.A.1 Topic 10 K.NBT.A.1 Topic 10 Sunting sequen	K.NBT.A.1 Topic 10  K.NBT.A.1 Topic 10  K.NBT.A.1 Topic 10  Vonting sequence.  1.NBT.A.1 Topic 7 1.NBT.A.1 Topic 7 1.NBT.A.1 Topic 7 1.NBT.B.2a Topic 8 1.NBT.B.2a Topic 8 1.NBT.B.2b Topic 8 1.NBT.B.2c Topic 8 1.NBT.B.3 Topic 9	Ministry of the second	Mission of the second state of the second stat	Imbers 11–19 to gain foundations for place value.  K.NBT.A.1 Topic 10  K.NBT.A.1 Topic 10  R.NBT.A.1 Topic 7  1.NBT.A.1 Topic 7  1.NBT.A.1 Topic 7  1.NBT.A.1 Topic 7  1.NBT.B.2a Topic 8  1.NBT.B.2a Topic 8  1.NBT.B.2b Topic 8  1.NBT.B.2c Topics 7, 8 1.NBT.B.3 Topic 9  2.NBT.A.1 Topic 9  2.NBT.A.1a Topic 9  2.NBT.A.1a Topic 9  2.NBT.A.1a Topic 9  2.NBT.A.3 Topic 9  2.NBT.A.4 Topic 9  4.NBT.A.2 Topic 1 Topic 1 Topic 1 A.NBT.A.2 Topic 1	Mbers 11–19 to gain foundations for place value.  K.NBT.A.1 Topic 10  K.NBT.A.1 Topic 10  Uniting sequence.  I.NBT.A.1 Topic 7  I.NBT.A.1 Topic 7  I.NBT.A.1 Topic 7  I.NBT.B.2a Topic 8  I.NBT.B.2b Topic 8  I.NBT.B.2b Topic 8  I.NBT.B.2c Topic 9  I.NBT.A.1 Topic 9  I.NBT.A.1 Topic 9  I.NBT.A.1 Topic 9  I.NBT.A.2 Topic 9  I.NBT.A.1 Topic 9  I.NBT.A.2 Topic 8, 9  I.NBT.A.2 Topic 9, I.NBT.A.3 Topic 9  I.NBT.A.3 Topic 9  I.NBT.A.3 Topic 9  I.NBT.A.4 Topic 9  I.NBT.A.4 Topic 9  I.NBT.A.4 Topic 9  I.NBT.A.4 Topic 9  I.NBT.A.2 Topic 9  I.NBT.A.3 Topic 9  I.NBT.A.4 Topic 1  I.NBT.A.2 Topic 1

K	1	2	3	4	5	6
e place value	system.					
					5.NBT.A.1 Topic 1	
					<b>5.NBT.A.2</b> Topics 1, 4, 11	
					<b>5.NBT.A.2</b> Topics 1, 4, 11	
					<b>5.NBT.A.2</b> Topic 4	
					<b>5.NBT.A.2</b> Topic 6	
					<b>5.NBT.A.3</b> α Topic 1	
					<b>5.NBT.A.3α</b> Topic 1	
					<b>5.NBT.A.3</b> α Topic 1	
					<b>5.NBT.A.3</b> α Topic 1	
					<b>5.NBT.A.3b</b> Topic 1	
					<b>5.NBT.A.4</b> Topics 1, 2	
ue understandi	ing and proper	rties of operatio	ns to add and	subtract.		
	1.NBT.C.4					
	1.NBT.C.4					
	1.NBT.C.4					
	1.NBT.C.5 Topics 10, 11					
	<b>1.NBT.C.5</b> Topic 11					
	<b>1.NBT.C.6</b> Topic 11					
ue understandi	ing and propei	rties of operatio	ns to add and	subtract.		
		<b>2.NBT.B.5</b> Topics 3, 4				
		<b>2.NBT.B.5</b> Topics 5, 6				
		<b>2.NBT.B.6</b> Topics 3, 4				
		<b>2.NBT.B.7</b> Topic 10				
		<b>2.NBT.B.7</b> Topic 10				
		<b>2.NBT.B.7</b> Topic 11				
		<b>2.NBT.B.7</b> Topic 11				
		2.NBT.B.8				
	e place value	e place value system.  De understanding and proper 1.NBT.C.4 Topic 10 1.NBT.C.4 Topic 10 1.NBT.C.5 Topics 10, 11 1.NBT.C.5 Topics 11, 1.NBT.C.5 Topic 11 1.NBT.C.5 Topic 11	e place value system.    Property	e place value system.    Part	e place value system.    Part	

	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				
Additional Cluster 3.NBT.A Use place	value unders	standing and	properties of or	perations to pe	erform multi-dig	it 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			
Major Cluster 4.NBT.B Use place value	understandi	ng and prop	erties of operation	ons to perform	multi-digit arith	nmetic.	
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		
Major Cluster 5.NBT.B Perform operati	ons with mult	i-digit whole	numbers and w	ith decimals to	hundredths.		
Fluently multiply multi-digit whole numbers using he 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 wo-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	

	К	1	2	3	4	5	6
Major Cluster 3.NF.A Develop unders		_			_		
Interpret proper fractions.				3.NF.A.1			
Relate fractions to numbers on the number line.				Topic 12 <b>3.NF.A.2</b> a			
kelale fractions to numbers on the number line.				Topic 12			
Interpret and show unit fractions on the number line.				<b>3.NF.A.2</b> a Topic 12			
Interpret and show fractions of the form a/b on				3.NF.A.2b			
the number line.				Topic 12			
Explain equivalence of fractions.				<b>3.NF.A.3</b> a Topic 13			
Compare fractions by reasoning about their size.				3.NF.A.3a			
Relate fraction equivalence to size.				Topic 13 <b>3.NF.A.3</b> a			
·				Topic 13			
Relate fraction equivalence to the number line.				<b>3.NF.A.3</b> a Topic 13			
Generate and model equivalent fractions.				3.NF.A.3b			
Relate whole numbers and fractions.				Topic 13 <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			
Major Cluster 4.NF.A Extend understa	inding of fract	ion equivalenc	e and orderin	g.			
Explain why a fraction a/b is equivalent to a		·			4.NF.A.1		
fraction $(n \times a)/(n \times b)$ . Recognize and generate equivalent fractions.					Topic 8 4.NF.A.1		
					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		
Major Cluster 4.NF.B Build fractions fro	om unit fractior	ns by applying	and extending	g previous unde	rstandings of o	perations on wh	ole number
Understand a fraction $a/b$ with $a > 1$ as a sum of fractions $1/b$ .					<b>4.NF.B.3</b> a Topic 9		
Interpret addition of fractions.					4.NF.B.3a		
Interpret subtraction of fractions.					Topic 9 <b>4.NF.B.3</b> a		
·					Topic 9		
Decompose fractions.					<b>4.NF.B.3b</b> Topic 9		
Add mixed numbers with like denominators.					4.NF.B.3c		
Subtract mixed numbers with like denominators.					Topic 9 <b>4.NF.B.3c</b>		
C. L. and and L. and L. and Branch					Topic 9 <b>4.NF.B.3d</b>		
Solve word problems involving addition of fractions with like denominators.					Topics 9, 10, 11, 13		
Solve word problems involving subtraction of					4.NF.B.3d		
fractions with like denominators.					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 $1/b$ .					4.NF.B.4a		
Understand that $n \times (a/b) = (n \times a)/b$ .					Topic 10 4.NF.B.4b		
					Topic 10		
Solve word problems involving multiplication of a fraction by a whole number.					<b>4.NF.B.4c</b> Topic 10		

	K	1	2	3	4	5	6
<b>4.NF.C</b> Understand decimal notation for							
Express a fraction with denominator 10 as an	· · · · · · · · · · · · · · · · · · ·				4.NF.C.5		
equivalent fraction with denominator 100.					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					4.NF.C.6		
denominators 10 or 100.					Topic 12		
Use decimal notation to describe length.					<b>4.NF.C.6</b> Topic 12		
Show decimals on a number line.					4.NF.C.6		
					Topic 12		
Compare two decimals to hundredths and use the symbols >, =, and <.					4.NF.C.7		
me symbols >, =, and <.  Major Cluster 5.NF.A Use equivalent f	ractions as a	stratogy to go	dd and subtract	t fractions	Topic 12		
Add fractions with unlike denominators.	raciions us u	Jiralegy 10 ac	ad dha sobiidci	Hachons.		5.NF.A.1	
ad addition with office denominations.						Topic 7	
Add mixed numbers with unlike denominators.						5.NF.A.1	
Subtract fractions with unlike denominators.						Topic 7 <b>5.NF.A.1</b>	
Submaci machons with unlike denominators.						Topic 7	
Subtract mixed numbers with unlike						5.NF.A.1	
denominators.						Topic 7	
Solve word problems involving addition of fractions.						<b>5.NF.A.2</b> Topics 7, 12	
Solve word problems involving subtraction of						5.NF.A.2	
fractions.						Topics 7, 12	
Estimate mentally and assess the reasonableness of a fraction sum or difference.						<b>5.NF.A.2</b> Topic 7	
Major Cluster 5.NF.B Apply and exter	nd previous u	nderstandings	of multiplication	on and division	to multiply ar		
Interpret a fraction as division.			'			5.NF.B.3	
						Topic 9	
Solve word problems involving division of whole numbers with answers that are fractions or mixed						<b>5.NF.B.3</b> Topic 9	
numbers.						iopie /	
Multiply a whole number by a fraction.							
						5.NF.B.4a	
						Topic 8	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4a	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4a Topic 8	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4a Topic 8  5.NF.B.4b	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of a rectangle with fractional side lengths.						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4a Topic 8  5.NF.B.4b Topic 8  5.NF.B.5a	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of a rectangle with fractional side lengths.  Interpret multiplication as scaling (resizing).						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4a Topic 8  5.NF.B.4b Topic 8  5.NF.B.5a Topic 8	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of a rectangle with fractional side lengths.  Interpret multiplication as scaling (resizing).  Predict the size of a product compared to the size of						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4a Topic 8  5.NF.B.4b Topic 8  5.NF.B.5a Topic 8  5.NF.B.5a	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of a rectangle with fractional side lengths.  Interpret multiplication as scaling (resizing).  Predict the size of a product compared to the size of one factor on the basis of the size of the other factor.						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4a Topic 8  5.NF.B.4b Topic 8  5.NF.B.5a Topic 8	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of a rectangle with fractional side lengths.  Interpret multiplication as scaling (resizing).  Predict the size of a product compared to the size of one factor on the basis of the size of the other factor.  Explain the effect of multiplying a given number by a fraction greater than 1, less than 1, or equal to 1.						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4b Topic 8  5.NF.B.5a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5a Topic 8	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of a rectangle with fractional side lengths.  Interpret multiplication as scaling (resizing).  Predict the size of a product compared to the size of one factor on the basis of the size of the other factor.  Explain the effect of multiplying a given number by a fraction greater than 1, less than 1, or equal to 1.  Solve real-world problems involving						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4b Topic 8  5.NF.B.5a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5b Topic 8  5.NF.B.5b Topic 8	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of a rectangle with fractional side lengths.  Interpret multiplication as scaling (resizing).  Predict the size of a product compared to the size of one factor on the basis of the size of the other factor.  Explain the effect of multiplying a given number by a fraction greater than 1, less than 1, or equal to 1.  Solve real-world problems involving multiplication of fractions.						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4a Topic 8  5.NF.B.4b Topic 8  5.NF.B.5a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5b Topic 8  5.NF.B.5b Topic 8  5.NF.B.5b Topic 8	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of a rectangle with fractional side lengths.  Interpret multiplication as scaling (resizing).  Predict the size of a product compared to the size of one factor on the basis of the size of the other factor.  Explain the effect of multiplying a given number by a fraction greater than 1, less than 1, or equal to 1.  Solve real-world problems involving multiplication of fractions.  Solve real-world problems involving multiplication of mixed numbers.						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4b Topic 8  5.NF.B.5a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5b Topic 8  5.NF.B.5b Topic 8	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of a rectangle with fractional side lengths.  Interpret multiplication as scaling (resizing).  Predict the size of a product compared to the size of one factor on the basis of the size of the other factor.  Explain the effect of multiplying a given number by a fraction greater than 1, less than 1, or equal to 1.  Solve real-world problems involving multiplication of fractions.  Solve real-world problems involving multiplication of mixed numbers.						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5b Topic 8  5.NF.B.6 Topics 8, 12  5.NF.B.6 Topic 8  5.NF.B.6 Topic 8	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of a rectangle with fractional side lengths.  Interpret multiplication as scaling (resizing).  Predict the size of a product compared to the size of one factor on the basis of the size of the other factor.  Explain the effect of multiplying a given number by a fraction greater than 1, less than 1, or equal to 1.  Solve real-world problems involving multiplication of fractions.  Solve real-world problems involving multiplication of mixed numbers.  Divide whole numbers and unit fractions.						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5b Topic 8  5.NF.B.6 Topics 8, 12  5.NF.B.6 Topic 8  5.NF.B.6 Topic 9	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of a rectangle with fractional side lengths.  Interpret multiplication as scaling (resizing).  Predict the size of a product compared to the size of one factor on the basis of the size of the other factor.  Explain the effect of multiplying a given number by a fraction greater than 1, less than 1, or equal to 1.  Solve real-world problems involving multiplication of fractions.  Solve real-world problems involving multiplication of mixed numbers.  Divide whole numbers and unit fraction by a whole						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5b Topic 8  5.NF.B.6 Topics 8, 12  5.NF.B.6 Topic 8  5.NF.B.6 Topic 8	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of a rectangle with fractional side lengths.  Interpret multiplication as scaling (resizing).  Predict the size of a product compared to the size of one factor on the basis of the size of the other factor.  Explain the effect of multiplying a given number by a fraction greater than 1, less than 1, or equal to 1.  Solve real-world problems involving multiplication of fractions.  Solve real-world problems involving multiplication of mixed numbers.  Divide whole numbers and unit fractions.  Interpret division of a unit fraction by a whole number.  Interpret division of a whole number by a unit						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4a Topic 8  5.NF.B.4b Topic 8  5.NF.B.5a Topic 8  5.NF.B.5b Topic 8  5.NF.B.6 Topics 8, 12  5.NF.B.6 Topics 8  5.NF.B.7a Topic 9  5.NF.B.7a Topic 9  5.NF.B.7a Topic 9  5.NF.B.7b	
Multiply a fraction by a fraction.  Interpret the product of a fraction and a whole number.  Relate multiplication of fractions and the area of a rectangle with fractional side lengths.  Interpret multiplication as scaling (resizing).  Predict the size of a product compared to the size of one factor on the basis of the size of the other factor.  Explain the effect of multiplying a given number by a fraction greater than 1, less than 1, or equal to 1.  Solve real-world problems involving multiplication of fractions.  Solve real-world problems involving multiplication of mixed numbers.  Divide whole numbers and unit fractions.  Interpret division of a unit fraction by a whole number.  Interpret division of a whole number by a unit fraction.  Solve real-world problems involving division of						Topic 8  5.NF.B.4a Topic 8  5.NF.B.4a Topic 8  5.NF.B.4b Topic 8  5.NF.B.5a Topic 8  5.NF.B.5a Topic 8  5.NF.B.5b Topic 8  5.NF.B.6 Topics 8, 12  5.NF.B.6 Topic 8  5.NF.B.7a Topic 9  5.NF.B.7a Topic 9	

	K	1	2	3	4	5	6
Major Cluster 6.NS.A Apply and exte	end previous u	ınderstandings	of multiplicatio	n and division	to divide fracti	ons by fractio	ns.
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
Additional Cluster 6.NS.B Compute	fluently with m	nulti-digit numb	ers and find co	mmon 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
Jse the distributive property.							<b>6.NS.B.4</b> Topic 8
Major Cluster 6.NS.C Apply and exte	nd previous u	nderstandinas	of numbers to t	he system of ro	ational numbers	s.	
nterpret positive and negative numbers.		<b>J</b>					<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.6</b> d Topic 3
nterpret opposites of numbers.							<b>6.NS.C.6</b> d 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
ind 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.7</b> Topic 3
Inderstand absolute value.							<b>6.NS.C.7</b> Topic 3
Relate inequalities to number lines.							<b>6.NS.C.7</b> d Topic 3
Write, interpret, and explain ordering of rational numbers in real-world contexts.							<b>6.NS.C.7b</b> Topic 3
nterpret the absolute value of a rational number.							<b>6.NS.C.7c</b> Topic 3
Relate absolute value and order.							<b>6.NS.C.7</b> d 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

	K	1	2	3	4	5	6
Major Cluster 6.RP.A Understand ratio		d use ratio rea			_		
Understand and apply the concept of a ratio.			J				<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.3</b> a Topics 9, 10
Make tables of equivalent ratios.							<b>6.RP.A.3</b> a Topic 9
Find missing values in tables of equivalent ratios.							<b>6.RP.A.3</b> a Topics 9, 10
On the coordinate plane, plot pairs of values given in tables of equivalent ratios.							<b>6.RP.A.3</b> a Topics 9, 10
Use tables to compare ratios.							<b>6.RP.A.3</b> a 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

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Allin Idl i Kaba b	K	1	2	3	4	5	6
Additional Cluster K.MD.A Describe		e measurable (	attributes.				
Describe length as a measurable attribute of objects.	K.MD.A.1 Topic 14						
Describe weight as a measurable attribute of objects.	K.MD.A.1 Topic 14						
Describe several measurable attributes of a single object.	K.MD.A.1 Topic 14						
Directly compare and describe two objects with a measurable attribute in common.	K.MD.A.2 Topic 14						
Major Cluster 1.MD.A Measure leng		and by iteratin	a lenath units.				
Order three objects by length.		1.MD.A.1 Topic 12					
Compare the lengths of two objects indirectly by using a third object.		1.MD.A.1 Topic 12					
Understand and use length units.		1.MD.A.2 Topic 12					
Major Cluster 2.MD.A Measure and	estimate lena		units				
Use rulers, yardsticks, meter sticks, and		o m sianaara	2.MD.A.1				
measuring tapes.  Use and analyze different length units for the			Topic 12 <b>2.MD.A.2</b>				
same object.			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				
Major Cluster 2.MD.B Relate addition	n and subtrac	tion 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				
Additional Cluster 1.MD.B Tell and	write time.		iopie io				
Tell and write time in hours.		<b>1.MD.B.3</b> Topic 13					
Tell and write time in half-hours.		1.MD.B.3 Topic 13					
Supporting Cluster 2.MD.C Work w	vith time and n						
Tell and write time to the nearest five minutes.			2.MD.C.7				
Use a.m. and p.m.			Topic 8 <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				
Major Cluster 3.MD.A Solve problem	ns involving m	easurement ar	nd estimation of	intervals of tim	e, liquid volu	umes, and mass	es of object
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				3.MD.A.1			
subtraction of time intervals in minutes.				Topic 14 <b>3.MD.A.1</b>			
Represent a time problem on a number line.				Topic 14			

	K	1	2	3	4	5	6
Measure and estimate liquid volumes using standard units of liters (I).				<b>3.MD.A.2</b> Topic 14			
Solve one-step word problems involving liquid volumes.				<b>3.MD.A.2</b> Topic 14			
Supporting Cluster 4.MD.A Solve pr	oblems involv	ing measureme	ent and conver	sion of measur	ements from a	larger unit to a	smaller unit
Know relative sizes of measurement units within one system of units.					<b>4.MD.A.1</b> Topic 13		
Know relative sizes of units of length.					<b>4.MD.A.1</b> Topic 13		
Know relative sizes of units of mass.					<b>4.MD.A.1</b> Topic 13		
Know relative sizes of units of weight.					<b>4.MD.A.1</b> Topic 13		
Know relative sizes of units of liquid volume.					<b>4.MD.A.1</b> Topic 13		
Know relative sizes of units of time.					<b>4.MD.A.1</b> Topic 13		
Convert from larger units to smaller units.					<b>4.MD.A.1</b> Topic 13		
Make a table of measurement equivalents.					<b>4.MD.A.1</b> Topic 13		
Solve word problems involving distances.					<b>4.MD.A.2</b> Topics 10, 12, 13		
Solve word problems involving intervals of time.					<b>4.MD.A.2</b> Topics 10, 12		
Solve word problems involving liquid volumes.					<b>4.MD.A.2</b> Topic 13		
Solve word problems involving masses of objects.					<b>4.MD.A.2</b> Topic 13		
Solve word problems involving money.					<b>4.MD.A.2</b> Topics 12, 13		
Use the four operations to solve measurement word problems involving simple fractions.					<b>4.MD.A.2</b> Topics 10, 12, 13		
Represent measurement quantities on number line diagrams.					<b>4.MD.A.2</b> Topics 10, 12, 13		
Use the area formula for rectangles.					<b>4.MD.A.3</b> Topic 13		
Use the perimeter formula for rectangles.					<b>4.MD.A.3</b> Topic 13		
Supporting Cluster 5.MD.A Convert	like measurer	nent units withi	n a given mea	surement syste	m.		
Convert measurement units.						<b>5.MD.A.1</b> Topic 11	
Use conversions to solve real-world problems.						<b>5.MD.A.1</b> Topic 11	
Major Cluster 3.MD.C Geometric med	asurement: un	derstand conce	pts of area an	d relate area t	o multiplication	and to additio	on.
Recognize area as an attribute of plane figures.				<b>3.MD.C.5a</b> Topic 6			
Understand concepts of area measurement.				<b>3.MD.C.5a</b> Topic 6			
Understand the concept of square unit.				<b>3.MD.C.5a</b> Topic 6			
Relate n unit squares to an area of n square				3.MD.C.5b			
units.				Topics 6, 15			

	K	1	2	3	4	5	6
Measure areas by counting in square inches and				<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.7</b> a Topic 14			
Relate area to the operation of addition.				<b>3.MD.C.7</b> a Topic 6			
Find the area of a rectangle by tiling it.				<b>3.MD.C.7</b> a Topic 6			
Show that the area of a rectangle can be found by multiplying the side lengths.				<b>3.MD.C.7</b> a 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.7</b> c Topic 6			
Find areas of rectilinear figures by decomposing them into non-overlapping rectangles.				3.MD.C.7d Topic 6			
Additional Cluster 3.MD.D Geometric	measuremen	nt: recognize pe	erimeter as c	an attribute of pl	ane figures an	d distinguish bet	ween line
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			
Additional Cluster 4.MD.C Geometric	measuremen	t: understand c	oncepts of c	angle and measi	ure 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 <i>n</i> -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		
					<b>4.MD.C.7</b> Topic 15		
Solve addition and subtraction problems to find unknown angles on a diagram.							Jan
	urement: und	lerstand conce	ots of volume	e and <u>relate vol</u>	ume to m <u>ultipli</u> a	cation <u>and to ad</u>	aifion.
unknown angles on a diagram.  Major Cluster 5.MD.C Geometric meas	urement: und	lerstand conce	ots of volume	e and relate vol	ume to multiplic	5.MD.C.3a	difion.
unknown angles on a diagram.  Major Cluster 5.MD.C Geometric meas  Recognize volume as an attribute of solid figures.	surement: unc	derstand conce	ots of volume	e and relate vol	ume to multiplia	<b>5.MD.C.3</b> a Topic 10 <b>5.MD.C.3</b> a	aition.
unknown angles on a diagram.	surement: unc	derstand conce	ots of volume	e and relate vol	ume to multiplic	<b>5.MD.C.3a</b> Topic 10	aition.

	K	1	2	3	4	5	6
Neasure volumes by counting in cubic inches and feet.						<b>5.MD.C.4</b> Topic 10	
Measure volumes by counting unit cubes in mprovised units.						<b>5.MD.C.4</b> Topic 10	
Relate volume to the operations of multiplication and addition.						<b>5.MD.C.5a</b> Topic 10	
Solve real-world and mathematical problems nvolving volume.						<b>5.MD.C.5a</b> Topic 10	
show that the volume of a right rectangular prism an be found by multiplying the edge lengths.						<b>5.MD.C.5a</b> Topic 10	
Show that the volume of a right rectangular orism can be found by multiplying the height by he area of the base.						<b>5.MD.C.5a</b> Topic 10	
Represent threefold whole-number products as volumes.						<b>5.MD.C.5a</b> Topic 10	
Use the formulas $V = \ell \times w \times h$ and $V = b \times h$ for rectangular prisms.						<b>5.MD.C.5b</b> Topic 10	
Find volumes of solid figures composed of two non-overlapping right rectangular prisms.						<b>5.MD.C.5c</b> Topic 10	
Supporting Cluster K.MD.B.3 Classi	fy objects and	count the nu	mber o <u>f objects</u>	in each catego	ory.		
Classify objects into given categories.	<b>K.MD.B.3</b> Topic 5						
Count the numbers of objects in a category.	<b>K.MD.B.3</b> Topic 5						
Port categories by count.	<b>K.MD.B.3</b> Topic 5						
Supporting Cluster 1.MD.C.4 Repres		oret data.					
Organize, represent, interpret, and compare		1.MD.C.4					
data with up to three categories.		Topic 6					
Supporting Cluster 2.MD.D Represe	nt and interpre	et data.					
Measure objects to generate whole-number ength data.			<b>2.MD.D.9</b> Topic 14				
Make repeated measurements of the same object o generate length data.			<b>2.MD.D.9</b> Topic 14				
Draw a picture graph to represent a data set with up to four categories.			<b>2.MD.D.10</b> Topic 14				
Draw a bar graph with up to four categories.			<b>2.MD.D.10</b> Topic 14				
Solve problems using data presented in a bar graph.			<b>2.MD.D.10</b> Topic 14				
Supporting Cluster 3.MD.B Represer	nt and interpre	t data.					
Draw a scaled picture graph to represent a data set with several categories.				<b>3.MD.B.3</b> Topic <i>7</i>			
Draw a scaled bar graph to represent a data set with several categories.				<b>3.MD.B.3</b> Topic <i>7</i>			
Solve problems using information presented in scaled bar graphs.				<b>3.MD.B.3</b> Topic <i>7</i>			
ind lengths involving halves and fourths of a unit and display them in a line plot.				<b>3.MD.B.4</b> Topic 12			
Supporting Cluster 4.MD.B Represer	nt and interpre	t data.					
Solve problems involving addition and subtraction of fractions by using measurement data in line plots.					<b>4.MD.B.4</b> Topic 11		
Make a line plot to display measurements nvolving halves, fourths, and eighths of a unit.					<b>4.MD.B.4</b> Topic 11		
Supporting Cluster 5.MD.B Represer	at and interpre	t data					
supporting cluster s.mb.b Represer	ii dila iilicipic	i dala.					

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Additional Cluster 6.SP.A Develop ur							
Understand statistical questions.	iaoroiairiairig		arrability.				6.SP.A.1
onacisiana siansnear questions.							Topic 15
Understand how data are described by a							6.SP.A.2
measure of center.							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							6.SP.A.3
the data values.							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
Additional Cluster 6.SP.B Summarize	and describ	e distributions					
Display numerical data in plots on a number line.							<b>6.SP.B.4</b> Topic 16
Display numerical data in dot plots.							6.SP.B.4 Topics 15, 16
Display numerical data in histograms.							6.SP.B.4 Topics 15, 10
Display numerical data in box plots.							6.SP.B.4 Topic 16
Summarize numerical data in relation to their							6.SP.B.5a
context. For numerical data, report the number of							Topic 16 6.SP.B.5a
observations.							Topic 16
For numerical data, describe the nature of the							6.SP.B.5b
attribute under investigation.							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.							6.SP.B.5c Topics 15, 16
Find the mean of a set of data.							6.SP.B.5c Topics 15, 10
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.5</b> c 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							6.SP.B.5d
data distribution and context of data collection.							Topic 16

	K	1	2	3	4	5	6
Additional Cluster K.G.A Identify and	describe shape	s (squares, ci <u>r</u> c	les, triangles,	rectangles, hexag	gons, cubes, co	nes, 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						
Additional Cluster K.G.B Analyze, c	ompare, create	e, and compos	e 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						
Additional Cluster 1.G.A Reason wit	th 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					
Additional Cluster 2.G.A Reason wit	th 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				
Supportingl Cluster 3.G.A Reason w	vith shapes and	their attribute	s.				
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			

Express the case of each each goal part of a shape as a unit faction of the whole.  Additional Cluster 4.G.A Draw and identify lines and angles, and classify shapes by properties of their lines and angles.  Draw and identify partial and perpendicular lines.  Draw and identify rapels.  Draw and identify rapels.  Draw and identify right, acute, and obbus organized and perpendicular lines to classify figures.  Draw and identify right acute, and obbus organized and classify figures.  Draw and identify right triangles.  Draw and identify right triangles and identify right triangles and identify right triangles.  Draw and identify right triangles.  Draw and an analysis and a hierarchy bearing an a hierarchy bearing an analysis of the contractive system.  Draw and an analysis and a hierarchy bearing an analysis of the properties.  Draw and an analysis and an analys		K	ı ı	2	3	4	5	6
Additional Cluster 4.G.A Draw and identify lines and angles, and classify shapes by properties of field lines and angles.  Additional Cluster 5.G.B Classify two dimensional figures into categories based on their properties.  Additional Cluster 5.G.A Craph points on the coordinate plane to solve real-world and mathematical problems.  Additional Cluster 5.G.A Craph points on the coordinate plane to solve real-world and mathematical problems.  Additional Cluster 5.G.A Craph points on the coordinate plane to solve real-world and mathematical problems involving area, surface area, and volume.  Additional Cluster 5.G.A Craph points on the coordinate plane to solve real-world and mathematical problems.  Additional Cluster 5.G.A Craph points on the coordinate plane to solve real-world and mathematical problems.  Additional Cluster 5.G.A Craph points on the coordinate plane to solve real-world and mathematical problems.  Additional Cluster 5.G.A Craph points on the coordinate plane in the first quodrant of the coordinate plane in the first plane in the real-point of the coordinate plane.  Additional Cluster 5.G.A Craph points on the coordinate plane in the first plane in the real-point of the coordinate plane in the real-point of the coordinate plane.  Additional Cluster 5.G.A Craph points on the coordinate plane in the real-points on the coordinate plane.  Additional Cluster 5.G.A Craph points on the coordinate plane in the real-points of the category of the definition planes.  Additional Cluster 5.G.A Craph points on the coordinate plane in the real-points of the category of the definition planes.  Additional Cluster 5.G.A Craph points on the coordinate plane in the real-points of the category of the definition planes.  Additional Cluster 5.G.A Craph points on the coordinate plane in the real-points of the category of the definition planes.  Additional Cluster 5.G.A Craph points on the coordinate plane in the real-points of the category of the real-points planes.  Additional cluster 5.G.A Craph points on the fort plan		K	•		3.G.A.2	-	3	
The world identify points, lines, line segments, and reys.  The world identify parallel and perpendicular lines.  Draw and identify angles.  Draw and identify right, acute, and obtuse angles.  Dee parallel or perpendicular lines to classify gigures.  Dee angle measure to classify figures.  Dee angle measure to classify figures.  Dee dentify right triangles.  Declargorize and identify right right gives.  Declargorize and identify right right gives.  Declargorize and identify right right gives.  Declargorize and identify right gives.  Declargorize and right rectangular gives.  Declargorize and right rectangular gives into rectangles.  Declargorize and right rectangular gives into rectangle		-C 1:						
Index 15   A.G.A.1		intity lines c	and angles, and	d classity shape	es by propertie		and angles.	T
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Special Specia	s.							
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Categorize and identify right triangles.  Inderstand line symmetry.  A.G.A.3 Inopic 16 Inderstand that attributes belonging to a category of two-dimensional figures into categories based on their properties.  Inderstand that attributes belonging to a category of two-dimensional figures also belong a category of two-dimensional figures also belong a category of two-dimensional figures as labeling as a category of two-dimensional figures in a hierarchy assist wo-dimensional figures in a hierarchy labeling an properties.  Inderstand a coordinate System.  S.G.A.1 Inopic 14 S.G.A.2 Inderstand a coordinate system.  Soraph points in the first quadrant of the coordinate plane to solve real-world and mathematical problems.  Inderstand a coordinate values of points in the first quadrant of the coordinate plane.  S.G.A.1 Inopic 14 S.G.A.2 Inopics 14, 15 S.G.A.2 Inopics 14, 15 S.G.A.2 Inopics 14, 15 S.G.A.2 Inopics 14, 15 S.G.A.2 Inopics 15 S.G.A.2 Inopics 16 S.G.A.2 Inopics 16 S.G.A.2 Inopics 17 Inopics 18 S.G.A.2						4.G.A.2		
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dentify line symmetric figures.  4.G.A.3 Topic 16 A.G.A.3 Topic 16 T	rstand line symmetry.							
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with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge engths.  Show that the volume of a right rectangular prism with fractional edge lengths can be found by multiplying the edge lengths of the prism.  Apply the formulas $V = \ell$ w h and $V = b$ h to individuals of right rectangular prisms with ractional edge lengths.  Oraw polygons in the coordinate plane.  Conditional edge length of a side of a polygon drawn in the coordinate plane.	other shapes.							Topic 13
To prism with fractional edge lengths can be found by multiplying the edge lengths of the prism.  Apply the formulas $V = \ell$ w h and $V = b$ h to primitive volumes of right rectangular prisms with reactional edge lengths.  Draw polygons in the coordinate plane.  Find the length of a side of a polygon drawn in the coordinate plane.  Represent three-dimensional figures using nets.	ractional edge lengths by packing it with ubes of the appropriate unit fraction edge							<b>6.G.A.2</b> Topic 14
To ind volumes of right rectangular prisms with ractional edge lengths.  Draw polygons in the coordinate plane.  6. To ind the length of a side of a polygon drawn in the coordinate plane.  Represent three-dimensional figures using nets.	with fractional edge lengths can be found							<b>6.G.A.2</b> Topic 14
ind the length of a side of a polygon drawn in he coordinate plane.  Coordinate plane.  Coordinate planes.  Coordinate planes using nets.	olumes of right rectangular prisms with							<b>6.G.A.2</b> Topic 14
ind the length of a side of a polygon drawn in he coordinate plane.  Coordinate plane.  Coordinate planes using nets.								<b>6.G.A.3</b> Topics 4,
Represent three-dimensional figures using nets.								<b>6.G.A.3</b> Topics 4,
	-							<b>6.G.A.4</b> Topic 14
Use nets to find the surface area of three-	ets to find the surface area of three-							6.G.A.4