Scope and Sequence

Key Objectives	Grades					
	K	1	2	3	4	5
Counting and Cardinality						
Know number names and the count sequence.	Units 2, 3, 9, 12					
Count to tell the number of objects.	Units 2, 3, 12					
Compare numbers.	Units 2, 3					
Operations and Algebraic Thinking						
Understand addition as putting together/adding to, and understand subtraction as taking apart/taking from.	Units 5, 6, 7					
Represent and solve problems involving addition and subtraction.		Units 4, 7, 8, 10				
Understand and apply properties of operations and the relationship between addition and subtraction.		Units 4, 5				
Add and subtract within 20.		Units 4, 5	Units 5, 6			
Work with addition and subtraction equations.		Units 4, 5				
Represent and solve problems involving addition and subtraction.			Units 3, 6, 10			
Work with equal groups of objects to gain foundations for multiplication.			Unit 2			
Represent and solve problems involving multiplication and division.				Units 3, 4, 5, 11		
Understand properties of multiplication and the relationship between multiplication and division.				Units 3, 5, 9, 10		
Multiply and divide within 100.				Units 4, 5, 9		
Solve problems involving the four operations, and identify and explain patterns in arithmetic				Units 2, 4, 10		
Use the four operations with whole numbers to solve problems.					Units 3, 4, 6, 7, 13	
Gain familiarity with factors and multiples					Units 5	
Generate and analyze patterns.					Units 5, 8	
Write and interpret numerical expressions.						Units 14
Analyze patterns and relationships.						Units 14

Key Objectives	Grades					
	K	1	2	3	4	5
Number and Operations in Base Ten						
Work with numbers 11–19 to gain foundations for place value.	Unit 10					
Extend the counting sequence.		Unit 2				
Understand place value.		Unit 3	Units 2, 4			
Use place value understanding and properties of operations to add and subtract.		Units 9, 11	Units 5, 6, 9, 10			
Use place value understanding and properties of operations to perform multi-digit arithmetic.				Units 2, 10		
Generalize place value understanding for multidigit whole numbers.					Units 2, 6, 7	
Understand the place value system.					Units 3, 6, 7	Units 3, 8
Perform operations with multi-digit whole numbers and with decimals to hundredths.						Units 4, 5, 6, 7, 8
Number and Operations—Fractions						
Develop understanding of fractions as numbers.				Units 7, 8		
Extend understanding of fraction equivalence and ordering.					Unit 8	
Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.					Units 9, 10, 11	
Understand decimal notation for fractions, and compare decimal fractions.					Unit 12	
Use equivalent fractions as a strategy to add and subtract fractions.						Unit 9
Apply and extend previous understandings of multiplication and division to multiply and divide fractions.						Units 10, 11

Key Objectives	Grades					
	K	1	2	3	4	5
Measurement and Data						
Describe and compare measurable attributes.	Unit 14					
Classify objects and count the number of objects in categories.	Unit 4					
Measure lengths indirectly and by iterating length units.		Unit 12				
Tell and write time.		Unit 12				
Represent and interpret data.		Unit 12	Unit 11	Unit 12	Unit 13	Unit 12
Measure and estimate lengths in standard units.			Unit 7			
Relate addition and subtraction to length.			Units 7, 9			
Work with time and money.			Unit 8			
Represent and interpret data.			Unit 11			
Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.				Unit 12		
Geometric measurement: understand concepts of area and relate area to multiplication and to addition.				Unit 6		
Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.				Unit 11		
Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.					Unit 13	
Geometric measurement: understand concepts of angle and measure angles.					Unit 14	
Convert like measurement units within a given measurement system.						Unit 12
Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.						Unit 2

Key Objectives	Grades					
	K	1	2	3	4	5
Geometry						
Identify and describe shapes.	Units 8, 11					
Analyze, compare, create, and compose shapes.	Units 13					
Reason with shapes and their attributes.		Units 6, 13	Unit 12	Units 7, 13		
Draw and identify lines and angles, and classify shapes by properties of their lines and angles.					Unit 14	
Graph points on the coordinate plane to solve real-world and mathematical problems.						Unit 13
Classify two-dimensional figures into categories based on their properties.						Unit 13