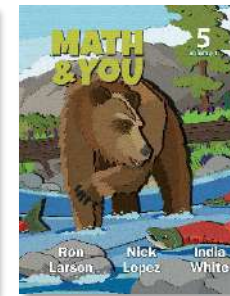
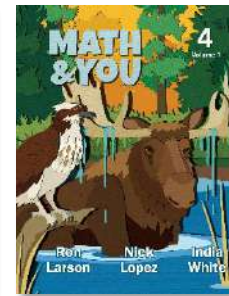
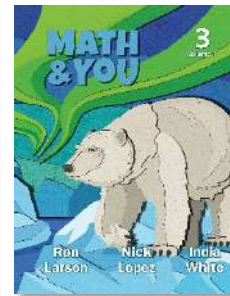
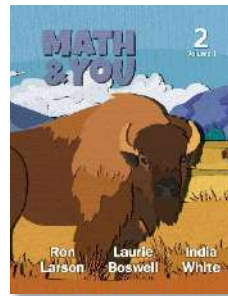
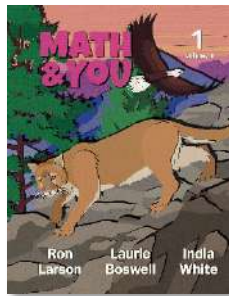
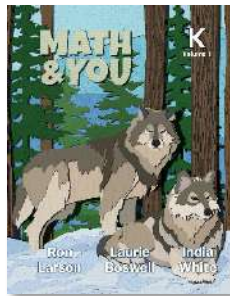




Scope and Sequence

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Grades K – 5



	Grade K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Counting & Cardinality						
Know number names and the count sequence.	•					
Count to tell the number of objects.	•					
Compare numbers.	•					
Operations & Algebraic Thinking						
Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	•					
Represent and solve problems involving addition and subtraction.		•	•			
Understand and apply properties of operations and the relationship between addition and subtraction.		•				
Add and subtract within 20.		•	•			
Work with addition and subtraction equations.		•				
Work with equal groups of objects to gain foundations for multiplication.			•			
Represent and solve problems involving multiplication and division.				•		
Understand properties of multiplication and the relationship between multiplication and division.				•		
Multiply and divide within 100.				•		
Solve problems involving the four operations, and identify and explain patterns in arithmetic.				•		
Use the four operations with whole numbers to solve problems.					•	
Gain familiarity with factors and multiples.					•	
Generate and analyze patterns.					•	
Write and interpret numerical expressions.						•
Analyze patterns and relationships.						•
Number & Operations in Base Ten						
Work with numbers 11 – 19 to gain foundations for place value.	•					
Extend the counting sequence.		•				

Note: Once a topic is introduced, it is applied and extended throughout the book and reinforced as needed or appropriate at subsequent grade levels.

	Grade K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Understand place value.		•	•			
Use place value understanding and properties of operations to add and subtract.		•	•			
Use place value understanding and properties of operations to perform multi-digit arithmetic.				•	•	
Generalize place value understanding for multi-digit whole numbers.					•	
Understand the place value system.						•
Perform operations with multi-digit whole numbers and with decimals to hundredths.						•
Measurement & Data						
Describe and compare measureable attributes.	•					
Classify objects and count the number of objects in each category.	•					
Measure lengths indirectly and by iterating length units.		•				
Tell and write time.		•				
Represent and interpret data.		•	•			
Measure and estimate lengths in standard units.			•			
Relate addition and subtraction to length.			•	•		
Work with time and money.			•	•		
Geometry						
Identify and describe shapes.	•					
Analyze, compare, create, and compose shapes.	•					
Reason with shapes and their attributes.		•	•	•		
Draw and identify lines and angles, and classify shapes by properties of their lines and angles.					•	
Graph points on the coordinate plane to solve real-world and mathematical problems.						•
Classify two-dimensional figures into categories based on their properties.						•
Number & Operations - Fractions						
Develop understanding of fractions as numbers.				•		

Note: Once a topic is introduced, it is applied and extended throughout the book and reinforced as needed or appropriate at subsequent grade levels.

	Grade K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Extend understanding of fraction equivalence and ordering.					•	
Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.					•	
Understand decimal notation for fractions, and compare decimal fractions.					•	
Use equivalent fractions as a strategy to add and subtract fractions.						•
Apply and extend previous understandings of multiplication and division to multiply and divide fractions.						•
Measurement and Data						
Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.				•		
Geometric measurement: understand concepts of area and relate area to multiplication and to addition.				•		
Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.				•		
Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.					•	
Represent and interpret data.				•		•
Geometric measurement: understand concepts of angle and measure angles.					•	
Convert like measurement units within a given measurement system.						•
Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.						•

Note: Once a topic is introduced, it is applied and extended throughout the book and reinforced as needed or appropriate at subsequent grade levels.