

		Student Book Part A	Skill Builders Part A	Student Book Part B	Skill Builders Part B
3.C	COMPUTATION				
1.	Add and subtract whole numbers fluently within 1000.	12-15, 18-23	10-1 to 10-4, 10-7, 10-8, 11-1, 15-1 to 15-7, 15-12, 15-13, 15-14, 16-1		
2.	Represent the concept of multiplication of whole numbers with the following models: equal-sized groups, arrays, area models, and equal "jumps" on a number line. Understand the properties of 0 and 1 in multiplication.	25-27, 30-33	20-1 to 20-4, 20-10 to 20-16		
3.	Represent the concept of division of whole numbers with the following models: partitioning, sharing, and an inverse of multiplication. Understand the properties of 0 and 1 in division.	36-41	25-1 to 25-4, 25-6, 25-8, 25-9, 25-10, 25-11, 25-13		
4.	Interpret whole-number quotients of whole numbers (e.g., interpret $56 \div 8$ as the number of objects in each share when 56 objects are partitioned equally into 8 shares, or as a number of shares when 56 objects are partitioned into equal shares of 8 objects each).	36, 37, 40, 41	25-1, 25-2, 25-7, 25-8, 25-9, 25-13, 49-1		
5.	Multiply and divide within 100 using strategies, such as the relationship between multiplication and division (e.g., knowing that $8 \times 5 = 40$, one knows $40 \div 5 = 8$) or properties of operations.	28-35, 38-40	21-1, 21-2, 22-1, 22-2, 22-4, 25-3, 25-4, 25-8, 25-15, 25-16, 26-1	67, 68	51-1 to 51-4, 52-1
6.	Demonstrate fluency with multiplication facts and corresponding division facts of 0 to 10.	28-32, 38-40	20-1 to 20-16, 25-1 to 25-12, 25-15 to 25-20		
3.AT	ALGEBRAIC THINKING				
1.	Solve real-world problems involving addition and subtraction of whole numbers within 1000 (e.g., by using drawings and equations with a symbol for the unknown number to represent the problem).	18, 23, 24	10-6, 15-8 to 15-11		

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2.	Solve real-world problems involving whole number multiplication and division within 100 in situations involving equal groups, arrays, and measurement quantities (e.g., by using drawing and equations with a symbol for the unknown number to represent the problem).	27, 30-33, 42	20-1, 20-3, 25-2, 48-1, 48-2, 49-1, 49-2, 49-3, 49-4		
3.	Solve two-step real-world problems using the four operations of addition, subtraction, multiplication and division (e.g., by using drawings and equations with a symbol for the unknown number to represent the problem).	24	15-9, 15-10	67	
4.	Interpret a multiplication equation as equal groups (e.g., interpret 5×7 as the total number of objects in 5 groups of 7 objects each). Represent verbal statements of equal groups as multiplication equations.	25, 30, 31, 32	20-3, 22-2		
5.	Determine the unknown whole number in a multiplication or division equation relating three whole numbers.	39, 40, 42	25-3, 25-4, 25-6, 25-17, 25-18, 25-19, 25-20		
6.	Create, extend, and give an appropriate rule for number patterns using multiplication within 100.	5	3-4	65	
3.G	GEOMETRY				
1.	Identify and describe the following: cube, sphere, prism, cone, and cylinder.	51	40-1		
2.	Understand that shapes (e.g., rhombuses, rectangles, and others) may share attributes (e.g., having four sides), and that the shared attributes can define a larger category (e.g., quadrilaterals). Recognize and draw rhombuses, rectangles, and squares as examples of quadrilaterals. Recognize and draw examples of quadrilaterals that do not belong to any of these subcategories.		39-2	75, 76	39-3 to 39-8
3.	Identify, describe and draw points, lines and line segments using appropriate tools (e.g., ruler, straightedge, and technology), and use these terms when describing two-dimensional shapes.	49, 50	37-1, 37-2	75	
4.	Partition shapes into parts with equal areas. Express the area of each part as a unit fraction of the whole ($\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{6}$, $\frac{1}{8}$).	43	30-1, 30-2, 32-3		
3.M	MEASUREMENT				
1.	Estimate and measure the mass of objects in grams (g) and kilograms (kg) and the volume of objects in quarts (qt), gallons (gal), and liters (l). Add, subtract, multiply, or divide to solve one-step real-world problems involving masses or volumes that are given in the same units (e.g., by using drawings, such as a beaker with a measurement scale to represent the problem).	55-57	44-2, 44-3, 45-2, 45-3		

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2.	Choose and use appropriate units and tools to estimate and measure length, weight, and temperature. Estimate and measure length to a quarter-inch, weight in pounds, and temperature in degrees Celsius and Fahrenheit.	53-56	42-1, 43-1 to 43-4, 44-3, 45-1, 45-2		
3.	Tell and write time to the nearest minute from analog clocks, using a.m and p.m, and measure time intervals in minutes. Solve real-world problems involving addition and subtraction of time intervals in minutes.	52	41-1	73	41-2, 41-3, 41-4
4.	Find the value of any collection of coins and bills. Write amounts less than a dollar using the ¢ symbol and write larger amounts using the \$ symbol in the form of dollars and cents (e.g., \$4.59). Solve real-world problems to determine whether there is enough money to make a purchase.		47-1		47-2
5.	Find the area of a rectangle with whole-number side lengths by modeling it with unit squares, and show that the area is the same as would be found by multiplying the side lengths. Identify and draw rectangles with the same perimeter and different areas or with the same area and different perimeters.	60, 61	46-3, 46-6, 46-7	78	46-10
6.	Multiply side lengths to find areas of rectangles with whole-number side lengths to solve real-world problems and other mathematical problems, and represent whole-number products as rectangular areas in mathematical reasoning.	61	46-8, 46-9	78	
7.	Find perimeters of polygons given the side lengths or by finding an unknown side length.	58, 59	46-1, 46-2, 46-4, 46-5, 46-7, 46-11	77, 78	46-10, 53-1
3.DA	DATA ANALYSIS				
1.	Create scaled picture graphs, scaled bar graphs, and frequency tables to represent a data set – including data collected through observations, surveys and experiments – with several categories. Solve one- and two-step "how many more" and "how many less" problems regarding the data and make predictions based on the data.	63, 64	50-1 50-2, 50-4		
2.	Generate measurement data by measuring lengths with rulers to the nearest quarter of an inch. Display the data by making a line plot, where the horizontal scale is marked off in appropriate units, such as whole numbers, halves, or quarters.	62			