CC1

Chapter 1

6.G.1

6.G.1. Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.

6.SP.4

6.SP.4. Display numerical data in plots on a number line, including dot plots, histograms, and box plots.

6.NS.4

6.NS.4. Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a
sum of two whole numbers 1–100 with a common factor as a multiple of a sum of two whole numbers with no common factor. *For example, express 36 + 8 as 4 (9 + 2).*

Chapter 2

Summarize and describe distributions.

CCSS.MATH.CONTENT.6.SP.B.4

Display numerical data in plots on a number line, including dot plots, histograms, and box plots.

Solve real-world and mathematical problems involving area, surface area, and volume.

CCSS.MATH.CONTENT.6.G.A.1

Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.

CCSS.MATH.CONTENT.6.EE.A.3

Apply the properties of operations to generate equivalent expressions. *For example, apply the distributive property to the expression 3 (2 + x) to produce the equivalent expression 6 + 3x; apply the distributive property to the expression 24x + 18y to produce the equivalent expression 6 (4x + 3y); apply properties of operations to y + y + y to produce the equivalent expression 3y.*

CCSS.MATH.CONTENT.6.NS.B.4

Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1-100 with a common

factor as a multiple of a sum of two whole numbers with no common factor. *For example, express 36 + 8 as 4 (9 + 2).*.

Chapter 3

6. RP.1,3c: Ratios and Proportional Relationships- Understand ratio concepts and use ratio reasoning to solve problems.

6.NS.4: The Number System- Compute fluently with multi-digit numbers and find common factors and multiples.

6.NS.5,6,7,8: The Number System- Apply and extend previous understandings of numbers to the system of rational numbers.

6. G.3: Geometry: Solve real-world and mathematical problems involving area, surface area, and volume.

Chapter 4

6. RP.1: Ratios and Proportional Relationships- Understand ratio concepts and use ratio reasoning to solve problems.

6. EE. 2a,c, 4: Expressions and Equations: Apply and extend previous understandings of arithmetic to algebraic expressions.

Chapter 5

6.NS.1: The Number System- Apply and extend previous understandings of multiplication and division to divide fractions by fractions.

6.NS. 3: The Number System- Compute fluently with multi-digit numbers and find common factors and multiples.

6. RP.1,3c: Ratios and Proportional Relationships- Understand ratio concepts and use ratio reasoning to solve problems.

6.G.1

6.G.1. Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.

Chapter 6

6.EE.1

6.EE.1. Write and evaluate numerical expressions involving whole-number exponents.

6.EE.2

6.EE.2. Write, read, and evaluate expressions in which letters stand for numbers.

6.EE.2a

6.EE.2a. Write expressions that record operations with numbers and with letters standing for numbers. *For example, express the calculation "Subtract y from 5" as 5 – y.*

6.EE.2b

6.EE.2b. Identify parts of an expression using mathematical terms (sum, term, product, factor, quotient, coefficient); view one or more parts of an expression as a single entity. *For example, describe the expression 2 (8 + 7) as a product of two factors; view (8 + 7) as both a single entity and a sum of two terms.*

6.EE.2c

6.EE.2c. Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in real-world problems. Perform arithmetic operations, including those involving whole number exponents, in the conventional order when there are no parentheses to specify a particular order (Order of Operations). *For example, use the formulas $V = s^3$ and $A = 6s^2$ to find the volume and surface area of a cube with sides of length s = 1/2.*

6.EE.3

6.EE.3. Apply the properties of operations to generate equivalent expressions. *For example, apply the distributive property to the expression 3 (2 + x) to produce the equivalent expression 6 + 3x; apply the distributive property to the expression 24x + 18y to produce the equivalent expression 6 (4x + 3y); apply properties of operations to y + y + y to produce the equivalent expression 3y.*

6.NS.1: The Number System- Apply and extend previous understandings of multiplication and division to divide fractions by fractions.

Chapter 7

6.NS.1: The Number System- Apply and extend previous understandings of multiplication and division to divide fractions by fractions.

6.NS. 3: The Number System- Compute fluently with multi-digit numbers and find common factors and multiples.

6.RP.2,3a,b: Ratios and Proportional Relationships- Understand ratio concepts and use ratio reasoning to solve problems.

6. EE. 2a: Expressions and Equations: Apply and extend previous understandings of arithmetic to algebraic expressions.

6.EE.5,6,7,8: Expressions and Equations- Reason about and solve one-variable equations and inequalities.

Chapter 8

6. EE.7: Expressions and Equations- Reason about and solve one-variable equations and inequalities.

6. EE. 9: Expressions and Equations- Represent and analyze quantitative relationships between dependent and independent variables.

6. RP.3b,d: Ratios and Proportional Relationships- Understand ratio concepts and use ratio reasoning to solve problems.

6.SP.1.2.3: Statistics and Probability- Develop understanding of statistical variability.

6.SP.4,5b,c,d: Statistics and Probability- Summarize and describe distributions.

Chapter 9

6.G.2.3c.4: Geometry- Solve real-world and mathematical problems involving area, surface area, and volume.