Unit A: Expressions and Equations

Topic 1: Variables and Expressions
Readiness 6-1: Rating Music Artists
Lesson 1-1: Numerical Expressions
Lesson 1-2: Algebraic Expressions
Lesson 1-3: Writing Algebraic Expressions
Lesson 1-4: Evaluating Algebraic Expressions
Lesson 1-5: Expressions with Exponents
Lesson 1-6: Problem Solving
Topic 1: Topic Review

Topic 2: Equivalent Expressions
Readiness 6-2: Renting Movies
Lesson 2-1: The Identity and Zero Properties
Lesson 2-2: The Commutative Properties
Lesson 2-3: The Associative Properties
Lesson 2-4: Greatest Common Factor
Lesson 2-5: The Distributive Property
Lesson 2-6: Least Common Multiple
Lesson 2-7: Problem Solving
Topic 2: Topic Review

Topic 3: Equations and Inequalities
Readiness 6-3: Video Game Economics
Lesson 3-1: Expressions to Equations
Lesson 3-2: Balancing Equations
Lesson 3-3: Solving Addition and Subtraction Equations
Lesson 3-4: Solving Multiplication and Division Equations
Lesson 3-5: Equations to Inequalities
Lesson 3-6: Solving Inequalities
Lesson 3-7: Problem Solving
Topic 3: Topic Review

Topic 4: Two-Variable Relationships
Readiness 6-4: Working at an Amusement Park
Lesson 4-1: Using Two Variables to Represent a Relationship
Lesson 4-2: Analyzing Patterns Using Tables and Graphs
Lesson 4-3: Relating Tables and Graphs to Equations
Lesson 4-4: Problem Solving
Topic 4: Topic Review

Unit B: Number System, Part 1

Topic 5: Multiplying Fractions
Readiness 6-5: Math in Music
Lesson 5-1: Multiplying Fractions and Whole Numbers
Lesson 5-2: Multiplying Two Fractions
Lesson 5-3: Multiplying Fractions and Mixed Numbers
Lesson 5-4: Multiplying Mixed Numbers
Lesson 5-5: Problem Solving
Topic 5: Topic Review

**Topic 6: Dividing Fractions**
*Readiness 6-6: Making Pizzas*
Lesson 6-1: Dividing Fractions and Whole Numbers
Lesson 6-2: Dividing Unit Fractions by Unit Fractions
Lesson 6-3: Dividing Fractions by Fractions
Lesson 6-4: Dividing Mixed Numbers
Lesson 6-5: Problem Solving
Topic 6: Topic Review

**Unit C: Number System, Part 2**

**Topic 7: Fluency with Decimals**
*Readiness 6-7: Fast Food Nutrition*
Lesson 7-1: Adding and Subtracting Decimals
Lesson 7-2: Multiplying Decimals
Lesson 7-3: Dividing Multi-Digit Numbers
Lesson 7-4: Dividing Decimals
Lesson 7-5: Decimals and Fractions
Lesson 7-6: Comparing and Ordering Decimals and Fractions
Lesson 7-7: Problem Solving
Topic 7: Topic Review

**Topic 8: Integers**
*Readiness 6-8: Comparing the Planets*
Lesson 8-1: Integers and the Number Line
Lesson 8-2: Comparing and Ordering Integers
Lesson 8-3: Absolute Value
Lesson 8-4: Integers and the Coordinate Plane
Lesson 8-5: Distance
Lesson 8-6: Problem Solving
Topic 8: Topic Review

**Topic 9: Rational Numbers**
*Readiness 6-9: Baseball Stats*
Lesson 9-1: Rational Numbers and the Number Line
Lesson 9-2: Comparing Rational Numbers
Lesson 9-3: Ordering Rational Numbers
Lesson 9-4: Rational Numbers and the Coordinate Plane
Lesson 9-5: Polygons in the Coordinate Plane
Lesson 9-6: Problem Solving
Topic 9: Topic Review

**Unit D: Ratios and Proportional Relationships**

**Topic 10: Ratios**
*Readiness 6-10: Working with Playlists*
Lesson 10-1: Ratios
Lesson 10-2: Exploring Equivalent Ratios
Lesson 10-3: Equivalent Ratios
Lesson 10-4: Ratios as Fractions
Lesson 10-5: Ratios as Decimals
Lesson 10-6: Problem Solving
Topic 10: Topic Review

**Topic 11: Rates**
*Readiness 6-11: School Fundraisers*
Lesson 11-1: Unit Rates
Lesson 11-2: Unit Prices
Lesson 11-3: Constant Speed
Lesson 11-4: Measurements and Ratios
Lesson 11-5: Choosing the Appropriate Rate
Lesson 11-6: Problem Solving
Topic 11: Topic Review

**Topic 12: Ratio Reasoning**
*Readiness 6-12: Recycling*
Lesson 12-1: Plotting Ratios and Rates
Lesson 12-2: Recognizing Proportionality
Lesson 12-3: Introducing Percents
Lesson 12-4: Using Percents
Lesson 12-5: Problem Solving
Topic 12: Topic Review

**Unit E: Geometry**

**Topic 13: Area**
*Readiness 6-13: Designing a Playground*
Lesson 13-1: Rectangles and Squares
Lesson 13-2: Right Triangles
Lesson 13-3: Parallelograms
Lesson 13-4: Other Triangles
Lesson 13-5: Polygons
Lesson 13-6: Problem Solving
Topic 13: Topic Review

**Topic 14: Surface Area and Volume**
*Readiness 6-14: Planning a Birthday Party*
Lesson 14-1: Analyzing Three-Dimensional Figures
Lesson 14-2: Nets
Lesson 14-3: Surface Areas of Prisms
Lesson 14-4: Surface Areas of Pyramids
Lesson 14-5: Volumes of Rectangular Prisms
Lesson 14-6: Problem Solving
Topic 14: Topic Review

**Unit F: Statistics**

**Topic 15: Data Displays**
*Readiness 6-15: Organizing a Book Fair*
Lesson 15-1: Statistical Questions
Lesson 15-2: Dot Plots
Lesson 15-3: Histograms
Lesson 15-4: Box Plots
Lesson 15-5: Choosing an Appropriate Display
Lesson 15-6: Problem Solving
Topic 15: Topic Review

**Topic 16: Measures of Center and Variation**
*Readiness 6-16: Planning a Camping Trip*
Lesson 16-1: Median
Lesson 16-2: Mean
Lesson 16-3: Variability
Lesson 16-4: Interquartile Range
Lesson 16-5: Mean Absolute Deviation
Lesson 16-6: Problem Solving
Topic 16: Topic Review

*Contents subject to change.*