Options EHS Basic Math 1-OR	Scope and Sequence
Unit Lesson	**Objectives**
Reasoning about Ratios: Part One	
Adding and Subtracting Fractions	
	Use visual representations to add and subtract fractions.
	Estimate sums and differences of fractions.
	Describe real-world contexts for adding and subtracting fractions.
Rational Numbers	
	Represent positive and negative rational numbers on vertical and horizontal number lines.
	Write a rational number as a decimal that eventually terminates or repeats.
	Describe real-world situations that can be represented by rational numbers, including where opposite quantities combine to make 0.
Prime Numbers and Prime Factorization	
	List the factors of a number.
	Identify a number as prime or composite.
	Represent a number as the product of its prime factors, using exponents to show repeated factors.
Describing Part-to-Part Relationships	
	Describe ratio relationships between two quantities using informal language.
	Use models to represent relationships between quantities.
	Analyze how a change in a quantity affects a part-to-part relationship.
Using Ratio Notation	
	Use the notation of ratio language to describe relationships between two quantities.
Equivalent Ratios	
	Analyze patterns in a table of equivalent ratios.

Options EHS Basic Math 1-OR	Scope and Sequence
Unit **Lesson**	**Objectives**
	Find missing values in a table using ratio reasoning.
Understanding Unit Rates	
	Find unit rates.
Ratios in Real-World Situations	
	Compare ratios in real-world contexts.
Plotting Equivalent Ratios	
	Plot tables of equivalent ratios on the coordinate plane.
	Identify patterns of plots of equivalent ratios.
Analyzing Equivalent Ratios in the Coordinate Plane	
	Analyze the graph of equivalent ratios plotted on the coordinate plane.
	Use the language of ratios to explain the graph of equivalent ratios in real-world contexts.
Unit Test	
Reasoning about Ratios: Part Two	
Measurements in the Customary System	
	Convert units of measurement in the customary system.
	Solve real-world problems by converting customary measurement units.
Measurements in the Metric System	
	Convert units of measurement in the metric system.
	Solve real-world problems by converting metric measurement units.
Understanding Speed	
	Find speed given distance and time.
	Convert measures of speed within a system.

Options EHS Basic Math 1-OR	Scope and Sequence
Unit Lesson	**Objectives**
Solving Speed Problems	
	Find time given distance and speed.
	Find distance given time and speed.
	Compare speeds.
Unit Pricing	
	Find unit prices.
	Solve unit rate problems involving unit pricing.
Other Rate Problems	
	Find unit rates.
	Solve real-world problems using unit rates.
Unit Test	
Operations	
Factors and Multiples	
	Determine the greatest common factor of two numbers.
	Determine the least common multiple of two numbers.
	Apply greatest common factors and least common multiples to solve real-world problems.
The Distributive Property	
	Use the distributive property to generate equivalent expressions.
Dividing Whole Numbers	
	Divide whole numbers.
	Write remainders as terminating or repeating decimals.
Dividing Decimals	

Options EHS Basic Math 1-OR	Scope and Sequence
Unit Lesson	**Objectives**
	Divide whole numbers by decimals.
	Divide decimals by decimals.
	Use estimation to determine reasonableness.
Real-World Decimal Problems with Multiplication and Division	
	Solve real-world problems using decimal multiplication.
	Solve real-world problems using decimal division.
Fraction Multiplication	
	Multiply fractions using models.
	Multiply fractions using the standard algorithm.
	Estimate solutions and solve real-world single and multistep problems involving fraction multiplication.
Dividing a Fraction by a Fraction	
	Use models to divide a fraction by a fraction.
Finding a Rule for Dividing Fractions	
	Use the standard algorithm to divide fractions.
Fraction Multiplication and Division	
	Solve real-world problems using fraction multiplication or division.
Unit Test	
Percent	
Understanding Percent	
	Represent a portion of a set with a ratio.
	Translate ratios of part: whole and part/whole as percents.
	Use models to illustrate the meaning of percents.

Options EHS Basic Math 1-OR	Scope and Sequence
Unit **Lesson**	**Objectives**
	Compare ratios and percents of sets with different base units.
Using Equivalent Ratios to Find Percents	
	Represent percent problems using equivalent ratios.
	Use patterns in equivalent ratios to find the percent of a whole.
Using Equivalent Ratios to Find a Whole	
	Represent percent problems using equivalent ratios.
	Use patterns in equivalent ratios to find the whole, given the percent.
Unit Test	
Expressions	
Numerical Expressions with Exponents	
	Write numerical expressions including expressions containing whole number exponents.
	Evaluate numerical expressions including expressions containing whole number exponents.
Expressions with Unknowns	
	Read and write algebraic expressions.
	Use algebraic expressions to model real-world situations involving addition.
	Use algebraic expressions to model real-world situations involving subtraction.
Expressions to Represent Multiplication and Division Problems	
	Use algebraic expressions to model real-world situations involving multiplication.
	Use algebraic expressions to model real-world situations involving division.
Writing and Evaluating Expressions	
	Write algebraic expressions containing one operation.
	Evaluate algebraic expressions containing one operation.

Options EHS Basic Math 1-OR	Scope and Sequence
Unit Lesson	**Objectives**
Expressions with More Than One Operation	
	Write algebraic expressions containing more than one operation.
	Use the order of operations to evaluate algebraic expressions containing more than one operation.
Expressions with and without Parentheses	
	Write algebraic expressions containing more than one operation, with and without parentheses.
	Use the order of operations to evaluate algebraic expressions containing more than one operation, with and without parentheses.
Equivalent Expressions	
	Generate equivalent expressions using the commutative and associative properties.
	Use substitution to determine if two expressions are equivalent.
Equivalent Expressions and the Distributive Property	
	Generate equivalent expressions using the distributive property.
	Use substitution to determine if two expressions are equivalent.
Determining Equivalent Expressions	
	Determine whether two expressions are equivalent.
	Explain why two expressions are equivalent or not equivalent.
Unit Test	