

Unit	Skill ID	Skill	Lost Function Skills with Resources		# Guided Practice Problems	# Assessment Problems
			Video/Length	Narrative Lesson		
UNIT #1 WHOLE NUMBERS	1.1	Identify Properties of Addition and Multiplication	Identifying the Properties of Addition and Multiplication (4:40)	Identifying the Properties of Addition and Multiplication	9	7
	1.2	Evaluating Expressions Using the order of Operations	Evaluating Expressions Using the Order of Operations (6:46)	Evaluating Expressions Using the Order of Operations	10	10
	1.3.1	Listing Factors	Listing Factors (3:13)	Listing Factors	5	5
	1.3.2	Using the Divisibility Rules	Using the Divisibility Rules (4:07)	Using the Divisibility Rules	5	5
	1.4.1	Identifying the Least Common Multiple (LCM)	Identifying LCM (3:26)	Identifying LCM	6	5
	1.4.2	Identifying the Greatest Common Factor (GCF)	Identifying GCF (2:31)	Identifying GCF	5	5
	1.5.1	Writing Algebraic Expressions	Writing Algebraic Expressions (4:56)	Writing Algebraic Expressions	10	5
	1.5.2	Evaluating Expressions	Evaluating Expressions (3:12)	Evaluating Expressions	7	5
	1.5.3	Simplifying Expressions by Combining Like Terms	Simplifying Expressions by Combining Like Terms (5:36)	Simplifying Expressions by Combining Like Terms	6	5
UNIT #2 INTEGERS	2.1.1	Identifying Integers	Identifying Integers (1:34)	Identifying Integers	3	3
	2.1.2	Identifying Opposite Integers and Absolute Value	Identifying Opposite Integers & Absolute Value (2:52)	Identifying Opposite Integers & Absolute Value	2	5
	2.1.3	Graphing Integers	Graphing Integers (0:38)	Graphing Integers	2	2
	2.1.4	Comparing Integers	Comparing Integers (3:01)	Comparing Integers	4	3
	2.1.5	Modeling Real Life Using Integers	Modeling Real-Life Situations Using Integers (1:48)	Modeling Real-Life Situations Using Integers	1	5
	2.2.1	Adding Integers with Like Signs	Adding Integers with Like Signs (1:15)	Adding Integers with Like Signs	6	7
	2.2.2	Adding Integers with Unlike Signs	Adding Integers with Like Signs (1:19)			
	2.2.3	Adding Integers with Unlike Signs	Adding Integers with Unlike Signs (3:16)	Adding Integers with Unlike Signs	10	6
	2.3	Subtracting Integers	Subtracting Integers (1:45)	Subtracting Integers	9	10
			Combining Integer Addition and Subtraction (3:09)	Combining Integer Addition and Subtraction	4	
	2.4	Multiplying and Dividing Integers	Multiplying and Dividing Integers (3:45)	Multiplying and Dividing Integers	18	10
Combining Multiplication and Division of Integers (2:26)			Combining Multiplication and Division of Integers	5		

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UNIT #3 FRACTIONS & DECIMALS	Review	Writing an Integer as a Fraction or Decimal	Writing an Integer as a Fraction or Decimal (0:25)	Writing an Integer as a Fraction or Decimal	1	0
		Identifying Place Value & Rounding Decimals	Identifying Place Value & Rounding Decimals(1:53)	Identifying Place Value & Rounding Decimals	2	
		Converting Mixed Numbers and Improper Fractions	Converting Mixed Numbers and Improper Fractions (1:44)	Converting Mixed Numbers and Improper Fractions	2	
		Writing Fractions in Simplest Form	Writing Fractions in Simplest Form (2:16)	Writing Fractions in Simplest Form	1	
	3.1.1	Defining Rational and Irrational	Defining Rational and Irrational (3:01)	Defining Rational and Irrational	3	6
	3.1.2	Identifying Parts of a Fraction	Identifying Parts & Types of a Fraction (0:54)	Identifying Parts of a Fraction	1	2
	3.1.3	Identifying Types of Fractions		Identifying Types of Fractions	2	3
	3.1.4	Classifying Numbers	Classifying Numbers (1:03)	Classifying Numbers	8	5
	3.2.1	Converting Fractions to Decimals	Converting Fractions to Decimal Numbers(2:57)	Converting Fractions to Decimal Numbers	4	4
		Identifying Parts of a Fraction			3	
	3.2.2	Comparing Fractions and Decimals	Comparing Fractions and Decimal Numbers(2:02)	Comparing Fractions and Decimal Numbers	6	3
	3.3.1	Adding Like Denominators	Adding Fractions with Like Denominators (1:54)	Adding Fractions with Like Denominators	9	6
	3.3.2	Subtracting Like Denominators	Subtracting Fractions with Like Denominators(1:14)	Subtracting Fractions with Like Denominators	7	6
	3.4.1	Adding Unlike Denominators	Adding Fractions with Unlike Denominators (2:49)	Adding Fractions with Unlike Denominators	9	5
	3.4.2	Subtracting Unlike Denominators	Subtracting Fractions with Unlike Denominators (1:52)	Subtracting Fractions with Unlike Denominators	6	5
	3.5.1	Multiplying Fractions	Multiplying Fractions (4:00)	Multiplying Fractions	8	5
	3.5.2	Dividing Fractions	Dividing Fractions (3:19)	Dividing Fractions	7	5
	3.6.1	Adding Decimal Numbers	Adding Decimal Numbers (2:09)	Adding Decimal Numbers	5	5
	3.6.2	Subtracting Decimal Numbers	Subtracting Decimal Numbers (1:43)	Subtracting Decimal Numbers	4	5
3.7.1	Multiplying Decimal Numbers	Multiplying Decimal Numbers (3:48)	Multiplying Decimal Numbers	6	5	
3.7.2	Dividing Decimal Numbers	Dividing Decimal Numbers (3:43)	Dividing Decimal Numbers	5	5	
UNIT #4 EXPONENTS & ROOTS	4.1.1	Identifying Bases and Roots	Identifying Exponents and Bases (2:45)	Identifying Exponents and Bases	5	9
	4.1.2	Evaluating All Powers	Evaluating All Powers (4:59)	Evaluating All Powers	12	5
	4.1.3	Representing Expressions With Only Positive Exponents	Representing Expressions Using Positive Exponents (1:39)	Representing Expressions Using Positive Exponents	8	5
	4.2.1	Finding the Prime Factorization of a Number	Finding the Prime Factorization of a Number (2:38)	Finding the Prime Factorization of a Number	4	5
	4.2.2	Factoring Monomials	Factoring Monomials (0:43)	Factoring Monomials	4	5
	4.2.3	Identifying Prime and Composite Numbers	Identifying Prime and Composite Numbers (2:15)	Identifying Prime and Composite Numbers	5	5
	4.3.1	Simplifying Monomial Expressions (Powers of Powers)	Simplifying Monomial Expressions - Powers of Powers (1:30)	Simplifying Monomial Expressions - Powers of Powers	4	5
	4.3.2	Simplifying Monomial Expressions (Multiplication)	Simplifying Monomial Expressions - Multiplication (1:40)	Simplifying Monomial Expressions - Multiplication	5	5
	4.3.3	Simplifying Monomial Expressions (Division)	Simplifying Monomial Expressions - Division (1:53)	Simplifying Monomial Expressions - Division	7	5
	4.4.1	Identifying the Square Root of a Perfect Square	Identifying the Square Root of Perfect Square (3:50)	Identifying the Square Root of Perfect Square	6	5
	4.4.2	Identifying the Cube Root of a Perfect Cube	Identifying the Cube Root of Perfect Cube(2:29)	Identifying the Cube Root of Perfect Cube	8	5
	4.4.3	Estimating Square Roots	Estimating Square Roots (1:40)	Estimating Square Roots	2	5
	4.5.1	Converting from Scientific Notation to Standard Form	Converting from Scientific Notation to Standard Form (1:09)	Converting from Scientific Notation to Standard Form	4	5
	4.5.2	Writing in Scientific Notation	Writing in Scientific Notation (3:02)	Writing in Scientific Notation	4	5
4.5.3	Comparing Numbers in Scientific Notation	Comparing Numbers in Scientific Notation (1:49)	Comparing Numbers in Scientific Notation	13	10	

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UNIT #5 RATES, RATIOS, & PROPORTIONS	5.1.1	Expressing Ratios in Simplified Form	Expressing Ratios in Simplified Form (2:12)	Expressing Ratios in Simplified Form	2	5
	5.1.2	Expressing Unit Rates	Expressing a Ratio as a Unit Rate (1:19)	Expressing Unit Rates	2	5
	5.1.3	Solving Practical Problems Using Ratios	Solving Practical Problems Using Ratios (1:00)	Solving Practical Problems Using Ratios	3	5
	5.2.1	Determining Proportional Relationships Between Quantities	Determining Proportional Relationships Between Quantities (2:44)	Determining Proportional Relationships Between Quantities	5	5
	5.2.2	Solving Proportions to Find Missing Terms	Solving Proportions to Find Missing Terms (1:48)	Solving Proportions to Find Missing Terms	5	5
	5.3	Identify Actual Measurements and Scale Factors	Interpreting Scale Drawings (3:05)	Identify Actual Measurements and Scale Factors	4	10
	5.4.1	Expressing a Percent as a Decimal Number	Express a Percent as a Decimal Number (0:53)	Express a Percent as a Decimal Number	3	5
	5.4.2	Expressing a Percent as a Fraction	Express a Percent as a Fraction (2:02)	Express a Percent as a Fraction	3	5
	5.4.3	Expressing a Fraction as a Percent	Express a Fraction as a Percent (1:56)	Express a Fraction as a Percent	4	5
	5.5.1	Comparing Fractions, Decimals, Percents and Ratios	Compare Fractions, Decimals, Percents, and Ratios (1:10)	Compare Fractions, Decimals, Percents, and Ratios	3	5
	5.5.2	Expressing a Decimal Number as a Percent	Express a Decimal Number as a Percent (1:05)	Express a Decimal Number as a Percent	4	5
	5.6	Applying the Percent Proportion	Applying the Percent Proportion (7:29)	Applying the Percent Proportion	15	10
5.7.1	Computing Simple Interest	Computing Simple Interest (3:46)	Computing Simple Interest	7	5	
5.7.2	Identifying the Percent of Change	Identifying the Percent of Change (2:26)	Identifying the Percent of Change	4	5	
UNIT #6 EQUATIONS	6.1	Solving One Step Equations Involving Addition or Subtraction	Solving One-Step Equations: Addition or Subtraction (2:59)	Solving One-Step Equations: Addition or Subtraction	6	5
	6.2	Solving One Step Equations Involving Multiplication or Division	Solving One-Step Equations: Multiplication or Division (3:39)	Solving One-Step Equations: Multiplication or Division (Parts A & B)	11	10
	6.3	Writing One Step Equations and Solving Word Problems	Writing One-Step Equations and Solving Word Problems (2:29)	Writing One-Step Equations and Solving Word Problems	4	5
	6.4.1	Solving Two Step Equations Involving Multiplication with Addition or Subtraction	Solving Two-Step Equations: Multiplication with Addition or Subtraction (2:39)	Solving Two-Step Equations: Multiplication with Addition or Subtraction	4	5
	6.4.2	Solving Two Step Equations Involving Division with Addition or Subtraction	Solving Two-Step Equations: Division with Addition or Subtraction (1:50)	Solving Two-Step Equations: Division with Addition or Subtraction	4	5
	6.4.3	Applying Knowledge of Two Step Equations to Solve Word Problems	Applying Knowledge of Two-Step Equations to Solve Word Problems (2:14)	Applying Knowledge of Two-Step Equations to Solve Word Problems	4	5
	6.5.1	Applying the Distributive Property to Write Equivalent Expressions with Variables	Applying the Distributive Property to Write Equivalent Expressions with Variables (3:26)	Applying the Distributive Property to Write Equivalent Expressions with Variables	9	5
	6.5.2	Applying the Distributive Property to Solve Equations	Applying the Distributive Property to Solve Equations (1:47)	Applying the Distributive Property to Solve Equations	10	5
6.6	Solving an Equation with Variables on Two Sides	Solving an Equation with Variables on Two Sides (2:31)	Solving an Equation with Variables on Two Sides	4	5	

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UNIT #7 INEQUALITIES	7.1.1	Graphing Inequalities on a Number Line	Graphing Inequalities on a Number Line (1:09)	Graphing Inequalities on a Number Line	10	5
	7.1.2	Writing Mathematical Sentences Using Inequalities	Writing Mathematical Sentences Using Inequalities (2:41)	Writing Mathematical Sentences Using Inequalities	8	5
	7.1.3	Writing Inequalities Using Graphs	Writing Inequalities Using Graphs(3:47)	Writing Inequalities Using Graphs	10	5
	7.2	Solving One Step Inequalities Involving Addition or Subtraction	Solving One-Step Inequalities: Addition or Subtraction(2:56)	Solving One-Step Inequalities: Addition or Subtraction	9	5
	7.3	Solving One Step Inequalities Involving Multiplication or Division	Solving One-Step Inequalities: Multiplication or Division (3:30)	Solving One-Step Inequalities: Multiplication or Division (Parts A & B)	18	10
	7.4	Solving Word Problems Using Inequalities	Solving Word Problems Using Inequalities (1:35)	Solving Word Problems Using Inequalities	5	5
	7.5	Solving Two Step Inequalities Involving Multiplication with Addition and Subtraction	Solving Two-Step Inequalities: Multiplication with Addition or Subtraction (2:42)	Solving Two-Step Inequalities: Multiplication with Addition or Subtraction	14	10
	7.6	Solving Two Step Inequalities Involving Division with Addition and Subtraction	Solving Two-Step Inequalities: Division with Addition or Subtraction (2:29)	Solving Two-Step Inequalities: Division with Addition or Subtraction	10	10
7.7	Applying Knowledge of Two Step Inequalities to Solve Word Problems	Applying Knowledge of Two-Step Inequalities to Solve Word Problems (1:51)	Applying Knowledge of Two-Step Inequalities to Solve Word Problems	8	5	
UNIT #8 GRAPHING	8.1.1	Identifying Quadrants and Graphing an Ordered Pair	Identifying Quadrants and Graphing Ordered Pairs (6:52)	Identifying Quadrants and Graphing Ordered Pairs (parts 1 & 2)	6	5
	8.1.2	Identifying an Ordered Pair Given a Graphed Point	Identifying an Ordered Pair Given a Graphed Point (3:00)	Identifying an Ordered Pair Given a Graphed Point	6	6
	8.2.1	Identifying the x- and y-Intercepts	Identifying the x- and y-Intercepts (3:25)	Identifying the x- and y-Intercepts	5	5
	8.2.2	Identifying the Distance Between Two Points With Identical X or Y Values	Identifying the Distance Between Two Points with Identical x- or y-Values (3:22)	Identifying the Distance Between Two Points with Identical x- or y-Values	4	5
	8.3.1	Identifying Domain and Range	Identifying Domain and Range (3:38)	Identifying Domain and Range	11	5
	8.3.2	Determining If a Relation Is a Function	Determining if a Relation is a Function (4:15)	Determining if a Relation is a Function(Parts 1 & 2)	8	5
	8.3.3	Representing Relations and Functions in a Different Forms	Representing Relations in Different Forms (2:52)	Representing Relations in Different Forms	10	5
	8.4.1	Identifying Independent and Dependent Variables	Identifying Independent and Dependent Variables (3:55)	Identifying Independent and Dependent Variables	5	5
	8.4.2	Classifying Functions as Linear or Nonlinear	Classifying Functions as Linear or Nonlinear (1:06)	Classifying Functions as Linear or Nonlinear	6	5
	8.5	Graphing a Linear Function In Two Variables Using Tables	Graphing a Linear Function in Two Variables Using Tables (5:03)	Graphing a Linear Function in Two Variables Using Tables (Parts 1 & 2)	19	10
	8.6	Graphing a Linear Function In Two Variables Using Intercepts	Graphing a Linear Function in Two Variables Using Intercepts (2:39)	Graphing a Linear Function in Two Variables Using Intercepts	5	5
	8.7.1	Calculating the Slope of a Graphed Line	Calculating the Slope of a Graphed Line(5:05)	Calculating the Slope of a Graphed Line	8	5
	8.7.2	Identifying the Slope of a Line Using Two Points	Identifying the Slope of a Line Using Two Points (2:48)	Identifying the Slope of a Line Using Two Points	8	5
	8.8.1	Determining Whether Functions Are Linear or Nonlinear Using Patterns	Determining Whether Functions are Linear or Nonlinear Using Patterns (1:37)	Determining Whether Functions are Linear or Nonlinear Using Patterns	4	5
	8.8.2	Predicting Values in Tables Using Numerical Patterns	Predicting Values in Tables Using Numerical Patterns (3:46)	Predicting Values in Tables Using Numerical Patterns	5	5
	8.9	Finding the Rate of Change	Finding the Rate of Change (4:17)	Finding the Rate of Change	13	5
	8.10	Determining Slope and y-intercept of Linear Equations in Slope Intercept Form	Determining Slope and y-Intercept of Linear Equations in Slope-Intercept Form (4:53)	Determining Slope and y-Intercept of Linear Equations in Slope-Intercept Form	14	5
	8.11	Graphing Linear Equations in Slope Intercept Form Using the Slope and y-intercept	Graphing Linear Equations in Slope-Intercept Form Using the Slope and y-Intercept (5:10)	Graphing Linear Equations in Slope-Intercept Form Using the Slope and y-Intercept	18	10
	8.12.1	Writing Equations in Slope Intercept Form (Slope and y-intercept)	Writing Equations in Slope-Intercept Form (Slope and y-Intercept) (1:25)	Writing Equations in Slope-Intercept Form (Slope and y-Intercept) Parts 1 & 2	11	5
	8.12.2	Writing Equations in Slope Intercept Form (Slope and a Point)	Writing Equations in Slope-Intercept Form (Slope and a Point) (2:55)	Writing Equations in Slope-Intercept Form (Slope and a Point)	17	5
	8.12.3	Writing Equations in Slope Intercept Form (Two Points)	Writing Equations in Slope-Intercept Form (Two Points) (3:01)	Writing Equations in Slope-Intercept Form (Two Points)	8	5
	8.13.1	Identifying a Graph of a Direct Variation	Identifying a Graph of a Direct Variation (1:43)	Identifying a Graph of a Direct Variation	6	5
	8.13.2	Identifying a Table of a Direct Variation	Identifying a Table of a Direct Variation(3:17)	Identifying a Table of a Direct Variation	10	5
	8.14.1	Determining the Constant of Variation	Determining the Constant of Variation (2:33)	Determining the Constant of Variation	5	5
	8.14.2	Writing an Equation for Direct Variation	Writing an Equation for Direct Variation (1:37)	Writing an Equation for Direct Variation	4	5
	8.15	Predicting Values Using a Direct Variation	Predicting Values Using a Direct Variation (3:33)	Predicting Values Using a Direct Variation	4	5
	8.16.1	Determining the Solution(s) of the System of Linear Equations	Determining the Number of Solution(s) of a System of Linear Equations (1:04)	Determining the Number of Solution(s) of a System of Linear Equations	6	5
	8.16.2	Determining if an Ordered Pair is a Solution to the System	Determining if an Ordered Pair is a Solution to the System (1:38)	Determining if an Ordered Pair is a Solution to the System	4	5
8.17.1	Solving Systems of Two Linear Equations Graphically	Solving Systems of Two Linear Equations Graphically (2:32)	Solving Systems of Two Linear Equations Graphically	5	5	
8.17.2	Solving Systems of Two Linear Equations Algebraically	Solving Systems of Two Linear Equations Algebraically (4:47)	Solving Systems of Two Linear Equations Algebraically	7	5	

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Unit #9 PROBABILITY & STATISTICS	9.1.1	Selecting a Representative Sampling Method for a Population	Selecting a Representative Sampling Method for a Population (3:32)	Selecting a Representative Sampling Method for a Population	3	5	
	9.1.2	Drawing Inferences About a Population	Drawing Inferences About a Population (2:04)	Drawing Inferences About a Population	3	5	
	9.2	Describing a Set of Data (Mean, Median, Mode, Range)	Describing a Set of Data (2:19)	Describing a Set of Data (Mean, Median, Mode, Range)	4	5	
	9.3.1	Representing a Set of Data Using a Data Display	Representing a Set of Data: Circle Graphs(1:47)	Representing a Set of Data Using a Data Display (Part A)	Representing a Set of Data Using a Data Display (Part A)	19	10
			Representing a Set of Data: Stem-and-Leaf Plot (1:59)				
			Representing a Set of Data: Histogram (2:33)				
			Representing a Set of Data: Line Plot (1:48)				
			Representing a Set of Data: Frequency Table (0:55)				
	9.3.2	Analyzing and Describing the Distribution of a Data Set (Data Display)	Analyzing and Describing the Distribution of a Data Set (Data Display) (3:26)	Analyzing and Describing the Distribution of a Data Set (Data Display)	10	5	
	9.4	Computing the Interquartile Range and Mean Absolute Deviation of a Data Set	Computing the Interquartile Range and Mean Absolute Deviation of a Data Set (4:58)	Computing the Interquartile Range and Mean Absolute Deviation of a Data Set	8	5	
	9.5	Analyzing and Comparing Data Sets	Analyzing and Comparing Data Sets (5:34)	Analyzing and Comparing Data Sets	11	5	
	9.6.1	Interpreting Scatter Plots to Investigate Patterns of Association	Interpreting Scatter Plots to Investigate Patterns of Association (3:17)	Interpreting Scatter Plots to Investigate Patterns of Association	5	5	
	9.6.2	Solving Problems Involving Bivariate Measurement Data	Solving Problems Involving Bivariate Measurement Data (3:18)	Solving Problems Involving Bivariate Measurement Data	8	5	
	9.7	Constructing and Interpreting a Two Way Table	Constructing and Interpreting a Two-Way Table (2:29)	Constructing and Interpreting a Two-Way Table	8	5	
	9.8.1	Determining the Likelihood of Events	Determining the Likelihood of Events (4:53)	Determining the Likelihood of Events	6	5	
9.8.2	Identifying the Theoretical Probability of an Event	Identifying the Theoretical Probability of an Event (5:25)	Identifying the Theoretical Probability of an Event	10	5		
9.9.1	Identifying and Comparing Probabilities	Identifying and Comparing Probabilities (4:33)	Identifying and Comparing Probabilities	9	5		
9.9.2	Making Predictions	Making Predictions (5:03)	Making Predictions	10	5		
9.10.1	Identifying Outcomes in a Sample Space	Identifying the Outcomes in a Sample Space(7:03)	Identifying the Outcomes in a Sample Space	10	5		
9.10.2	Finding the Probabilities of Compound Events	Finding the Probabilities of Compound Events(3:24)	Finding the Probabilities of Compound Events	10	5		
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