

Name:

1

Composing and Decomposing

MATHia Unit	MATHia Workspace	Completed	Reflection
Number Properties	Commutative and Associative Properties		
	Exploring the Distributive Property with Numeric Expressions		
	Using the Distributive Property with Numeric Expressions		
	Identifying Greatest Common Factors and Least Common Multiples		
Area	Calculating Area of Rectangles		
	Developing Area Formulas		
	Calculating Area of Various Figures		
	Solving Area Problems		
	Calculating Area of Composite Figures		
Fraction Division	Representing Fraction Division		
	Interpreting Remainders Using Models		
	Developing the Fraction Division Algorithm		
	Multiplying and Dividing Rational Numbers		

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1	Composing and Decomposing		
MATHia Unit	MATHia Workspace	Completed	Reflection
Decimal Operations	Converting Fractions to Decimals		
	Adding and Subtracting Decimals		
	Decimal Sums and Differences		
	Exploring Decimal Facts		
	Patterns with Products and Quotients		
	Multiplying Decimals		
	Decimal Products		
	Dividing Decimals		
	Whole Number and Decimal Quotients		
Volume and Surface Area	Determining Volume Using Unit Fraction Cubes		
	Calculating Volume of Right Prisms		
	Determining Surface Area Using Nets		
	Calculating Surface Area of Right Prisms		

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Relating Quantities

MATHia Unit	MATHia Workspace	Completed	Reflection
Ratio Reasoning	Understanding Ratio Relationships		
	Equivalent Ratios		
	Multiple Representations of Ratios		
Problem Solving Using Ratio and Rate Reasoning	Problem Solving with Equivalent Ratios and Rates using Tables		
	Problem Solving with Equivalent Ratios and Rates using Double Number Lines		
	Problem Solving with Equivalent Ratios and Rates using Graphs		
Introduction to Percent	Percent Models		
	Fraction, Decimal, Percent Conversions		
	Determining a Part Given a Percent and a Whole		
	Determining a Whole Given a Percent and a Part		
Rate Reasoning	Determining and Comparing Unit Rates		
Ratio Reasoning to Convert Units	Converting Within Systems		
	Converting Between Systems		

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3		Determining Unknown Quantities	
MATHia Unit	MATHia Workspace	Completed	Reflection
Numeric Expressions	Evaluating One-Step Expressions with Whole Numbers		
	Evaluating Two-Step Expressions with Whole Numbers		
	Writing and Evaluating Exponent Expressions		
	Order of Operations		
	Applying the Order of Operations		
	Using Order of Operations to Evaluate Simple Numeric Expressions		
	Using Order of Operations to Evaluate Numeric Expressions with Four Operations		
	Using Order of Operations to Evaluate Numeric Expressions with Parentheses and Exponents		
	Using Order of Operations to Evaluate Numeric Expressions		
Algebraic Expressions	Identifying Parts of Simple Algebraic Expressions		
	Evaluating Multi-Step Expressions		
	Evaluating Expressions with Multiple Variables		

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Determining Unknown Quantities

MATHia Unit	MATHia Workspace	Completed	Reflection
Equivalent Algebraic Expressions	Modeling Equivalent Algebraic Expressions		
	Exploring the Distributive Property with Algebraic Expressions		
	Using Order of Operations to Rewrite Simple Algebraic Expressions		
	Using Order of Operations to Rewrite Algebraic Expressions with Four Operations		
	Using Order of Operations to Rewrite Algebraic Expressions with Parentheses and Exponents		
	Using Order of Operations to Rewrite Algebraic Expressions		
Reasoning with Expressions and Equations	Using Picture Algebra with Addition, Subtraction, and Multiplication		
	Using Picture Algebra with Multiplication, Total Given		
	Using Picture Algebra with Addition and Subtraction, Total Given		
	Patterns and One-Step Expressions		

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3		Determining Unknown Quantities		
MATHia Unit	MATHia Workspace	Completed	Reflection	
Solving One-Step Equations	Using Substitution to Identify Solutions to Equations			
	Solving One-Step Equations with a Balance			
	Representing One-Step Equations			
	Solving with Addition and Subtraction (No Type In)			
	Solving with Multiplication and Division (No Type In)			
	Solving One-Step Equations (Type In)			
Solving One-Step Inequalities	Graphing Inequalities with Positive Rational Numbers			
	Using Substitution to Identify Solutions to Inequalities			
Problem Solving with One-Step Equations	Modeling Scenarios with Equations			
	Analyzing Models of One- Step Linear Relationships			
	Patterns and One-Step Equations			
	Problem Solving Using Multiple Representations in the First Quadrant			
	Problem Solving with Decimals			

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4		Moving Beyond Positive Quantities		
MATHia Unit	MATHia Workspace	Completed	Reflection	
Integers	Introduction to Negative Numbers			
	Representing Integers on Number Lines			
	Using Absolute Value			
	Graphing Inequalities with Rational Numbers			
The Coordinate Plane	Exploring Symmetry on the Coordinate Plane			
	Identifying and Interpreting Ordered Pairs			
	Plotting Points			
	Drawing Polygons on the Coordinate Plane			
Multiple Representations	Writing an Expression from a Scenario, Table, or Graph			
	Solving One-Step Equations Using Multiple Representations in Four Quadrants			

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Describing Variability of Quantities

MATHia Unit	MATHia Workspace	Completed	Reflection
Displays of Numerical Data	Analyzing Distributions with Shape, Center, and Spread		
	Creating and Interpreting Stem Plots		
	Creating and Interpreting Dot Plots		
	Creating and Interpreting Histograms		
Measures of Central Tendency	Calculating Mean, Median, Mode, and Range		
	Determining Measures of Center		
	Measuring the Effects of Changing Data Sets		
Mean Absolute Deviation	Calculating Mean Absolute Deviation		
	Using Mean Absolute Deviation		
Box Plots	Constructing Box Plots		
	Interpreting Box Plots		
	Choosing Appropriate Measures		