

Name:

1	Thinking Proportionally		
MATHia Unit	MATHia Workspace	Completed	Reflection
Exploring the Ratio of Circle Circumference to Diameter	Investigating Circles		
Solving Area and Circumference Problems	Developing the Area Formula for Circles		
	Calculating Circumference and Area of Circles		
Ratio Representations	Recognizing Proportional Relationships		
	Determining Characteristics of Graphs of Proportional Relationships		
Ratios of Fractions	Fractional Rates		
	Determining and Comparing Unit Rates		
	Solving Proportions Using Equivalent Ratios		

Name:

1	Thinking Proportionally		
MATHia Unit	MATHia Workspace	Completed	Reflection
Using Means and Extremes to Solve Proportions	Rewriting Proportions as Products		
	Solving Proportions Using Means and Extremes		
Defining Proportional Relationships	Exploring Proportions		
Determining the Constant of Proportionality	Writing Proportional Relationships with Equations		
	Converting Between Forms of Proportional Relationships		
Constant of Proportionality in Multiple Representations	Modeling the Constant of Proportionality		
Analyzing Percent Models	Fractional Percent Models		
	Converting with Fractional Percents		
Introducing Proportions to Solve Percent Problems	Using Proportions to Solve Percent Problems		
	Solving Simple Percent Problems		

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Thinking Proportionally

MATHia Unit	MATHia Workspace	Completed	Reflection
Calculating Sales Tax and Discounts	Calculating Sales Tax or Discounts		
	Solving Problems with Both Sales Tax and Discounts		
	Analyzing Different Forms of Expressions		
Percent Increase and Percent Decrease	Calculating Percent Change and Final Amounts		
	Using Percents and Percent Change		
Scale and Scale Drawings	Critical Attributes of Similar Figures		
	Using Scale Drawings		
	Calculating Measurements Using a Scale		

Name:

2		Operating with Signed Numbers	
MATHia Unit	MATHia Workspace	Completed	Reflection
Using Models to Understand Integers	Understanding Opposites		
Subtracting Integers	Adding and Subtracting Negative Integers		
	Using Number Lines to Add and Subtract Integers		
	Developing Algorithms for Adding or Subtracting Integers		
Multiplying and Dividing Integers	Integer Products and Quotients		
	Problem Solving with Rational Numbers		
	Operating with Signed Decimals		
	Operating with Signed Fractions		
Quotients of Integers	Converting Rational Numbers to Decimals		

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Operating with Signed Numbers

MATHia Unit	MATHia Workspace	Completed	Reflection
Rewriting Numeric Expressions	Operating with Numeric Expressions		
	Evaluating Simple Numeric Expressions with Integers		
	Evaluating Numeric Expressions Involving Integers with Parentheses and Exponents		
	Evaluating Simple Numeric Expressions with Rational Numbers		
	Evaluating Complex Numeric Expressions with Rational Numbers		

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3 Reasoning Algebraically			
MATHia Unit	MATHia Workspace	Completed	Reflection
Rewriting Variable Expressions Using the Distributive Property	Factoring Linear Expressions		
Combining Like Terms	Rewriting Simple Algebraic Expressions Involving Integer Coefficients		
	Rewriting Algebraic Expressions Involving Integer Coefficients with Four Operations		
	Rewriting Algebraic Expressions Involving Integer Coefficients with Parentheses and Exponents		
	Rewriting Complex Algebraic Expressions Involving Integer Coefficients		
	Rewriting Algebraic Expressions Involving Integer Coefficients		
Modeling Equations by Equal Expressions	Using Picture Algebra with Equations		
	Identifying Attributes of Linear Relationships		
	Analyzing Models of Two-Step Linear Relationships		

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Reasoning Algebraically

MATHia Unit	MATHia Workspace	Completed	Reflection
Modeling Equations by Equal Expressions (continued)	Modeling Two-Step Expressions		
	Checking Solutions to Linear Equations		
Using Inverse Operations to Solve Equations	Exploring Two-Step Equations		
	Solving with Multiplication (No Type In)		
	Solving with Multiplication (Type In)		
	Solving with Division (No Type In)		
	Solving with Division (Type In)		
	Solving Two-Step Equations		
Solving Inequalities with Inverse Operations	Graphing Inequalities with Rational Numbers		
	Solving One-Step Linear Inequalities		
	Solving Two-Step Linear Inequalities		

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3	Reasoning Algebraically		
MATHia Unit	MATHia Workspace	Completed	Reflection
Representing Equations with Tables and Graphs	Graphs of Equations		
	Using Graphs to Solve Equations		
Representing Equations with Tables and Graphs	Graphs of Equations		
	Using Graphs to Solve Equations		
Building Inequalities and Equations to Solve Problems	Determining the Value of an Independent Variable		
	Writing Linear Equations and Inequalities from a Scenario		
	Using Linear Equations and Inequalities		
	Solving Problems with Integers		
	Solving Problems with Decimals and Fractions		

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<div style="background-color: black; color: white; padding: 10px; display: inline-block; font-size: 2em; font-weight: bold;">4</div> Analyzing Populations and Probabilities			
MATHia Unit	MATHia Workspace	Completed	Reflection
Introduction to Probability	Determining Probabilities		
	Modeling Simple Events		
	Comparing Experimental and Theoretical Probabilities		
	Simulating Simple Events		
Compound Probability	Introduction to Compound Events		
	Calculating Compound Probabilities		
	Simulating Compound Events		
Drawing Inferences	Using Statistics to Draw Inferences About a Population		
Comparing Two Populations	Comparing Characteristics of Data Displays		
	Comparing Populations using Data Displays		
	Characteristics of Data Displays		
	Comparing Populations using Data Displays		
	Using Random Samples to Compare Populations		

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5	Constructing and Measuring		
MATHia Unit	MATHia Workspace	Completed	Reflection
Special Angle Relationships	Calculating Angles		
	Exploring Angle Relationships		
	Solving for Angle Measures		
Three-Dimensional Figures	Three-Dimensional Figures		
Volume of Prisms and Pyramids	Calculating Volume of Right Prisms		
	Understanding Volume Formulas for Right Prisms		
	Using Volume of Right Prisms		
	Relating Volumes of Prisms and Pyramids		
	Calculating Volume of Pyramids		
Surface Area of Pyramids and Prisms	Volume and Surface Area of Prisms and Pyramids		

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5	Constructing and Measuring		
MATHia Unit	MATHia Workspace	Completed	Reflection
Angle Properties	Calculating Angles		
	Classifying Angles and Determining Unknown Measures		
Three Dimensional Figures	Visualizing Cross Sections of Three-Dimensional Shapes		
Volume of Prisms and Pyramids	Understanding Volume Formulas for Right Prisms		
	Using Volume of Right Prisms		
	Calculating Volume of Pyramids		
	Using Volume of Pyramids		