

Unit 1: Number Systems and Operations					
	Lessons				
	1.1	Identify and Interpret Integers			
Module 1-Integer Concepts	1.2	Compare and Order Integers on a Number Line			
	1.3	Find and Apply Absolute Value			
	Lessons				
	2.1	Interpret Rational Numbers			
Module 2—Rational	2.2	Compare Rational Numbers on a Number Line			
Number Concepts	2.3	Find and Apply LCM and GCF			
	2.4	Order Rational Numbers			
Lessons					
	3.1	Understand Fraction Division			
	3.2	Explore Division of Fractions with Unlike Denominators			
Module 3—Fraction Division	3.3	Explore Division of Mixed Numbers			
	3.4	Practice and Apply Division of Fractions and Mixed Numbers			
	3.5	Practice Fraction Operations			
	Lessons				
	4.1	Add and Subtract Multi-Digit Decimals			
Module 4-Fluency with	4.2	Multiply Multi-Digit Decimals			
Multi-Digit Decimal	4.3	Divide Multi-Digit Whole Numbers			
Operations	4.4	Divide Multi-Digit Decimals			
	4.5	Apply Operations with Multi-Digit Decimals			
	Unit 2:	Ratio and Rate Reasoning			
	Lessons				
	5.1	Understand the Concept and Language of Ratios			
	5.2	Represent Ratios and Rates with Tables and Graphs			
Module 5—Ratios and Rates	5.3	Compare Ratios and Rates			
	5.4	Find and Apply Unit Rates			
	5.5	Solve Ratio and Rate Problems Using Proportional Reasoning			
	Lessons				
Module 6—Apply Ratios	6.1	Use Ratio Reasoning with Circle Graphs			
and Rates to Measurement	6.2	Use Rate Reasoning to Convert Within Measurement Systems			
	6.3	Use Rate Reasoning to Convert Between Measurement Systems			
	Lessons				
Madula 7 Undanatan d	7.1	Understand, Express, and Compare Percent Ratios			
Module 7—Understand and Apply Percent	7.2	Use Strategies to Find a Percent of a Quantity			
and Apply rescent	7.3	Solve a Variety of Percent Problems			

Unit 3: Expressions, Equations, and Inequalities				
	Lessons			
	8.1	Understand and Apply Exponents		
Module 8—Numerical and Algebraic Expressions	8.2	Write and Evaluate Numerical Expressions for Situations		
	8.3	Write Algebraic Expressions to Model Situations		
Aigebiaic Expressions	8.4	Interpret and Evaluate Algebraic Expressions		
	8.5	Identify and Generate Equivalent Algebraic Expressions		
	Lessons			
	9.1	Write Equations to Represent Situations		
Module 9-Solve Problems	9.2	Use Addition and Subtraction Equations to Solve Problems		
Using Equations and	9.3	Use Multiplication and Division Equations to Solve Problems		
Inequalities	9.4	Use One-Step Equations to Solve a Variety of Problems		
	9.5	Write and Graph Inequalities		
	Lessons			
Module 10—Real-World	10.1	Represent Equations in Tables and Graphs		
Relationships Between	10.2	Write Equations from Verbal Descriptions		
Variables	10.3	Write Equations from Tables and Graphs		
	Unit 4:	Relationships in Geometry		
	Lessons			
	11.1	Graph Rational Numbers on the Coordinate Plane		
Module 11–Polygons on	11.2	Graph Polygons on the Coordinate Plane		
the Coordinate Plane	11.3	Find Distance on the Coordinate Plane		
	11.4	Find Perimeter and Area on the Coordinate Plane		
		This refineter and Alea on the Coolahate Flahe		
	Lessons	Tind renimeter and Alea of the Cooldinate Flame		
	Lessons 12.1	Develop and Use the Formula for Area of Parallelograms		
Module 12—Area of Triangles				
Module 12—Area of Triangles and Special Quadrilaterals	12.1	Develop and Use the Formula for Area of Parallelograms		
<u> </u>	12.1 12.2	Develop and Use the Formula for Area of Parallelograms Develop and Use the Formula for Area of Triangles		
<u> </u>	12.1 12.2 12.3	Develop and Use the Formula for Area of Parallelograms Develop and Use the Formula for Area of Triangles Develop and Use the Formula for Area of Trapezoids		
and Special Quadrilaterals	12.1 12.2 12.3 12.4	Develop and Use the Formula for Area of Parallelograms Develop and Use the Formula for Area of Triangles Develop and Use the Formula for Area of Trapezoids		
<u> </u>	12.1 12.2 12.3 12.4 Lessons	Develop and Use the Formula for Area of Parallelograms Develop and Use the Formula for Area of Triangles Develop and Use the Formula for Area of Trapezoids Find Area of Composite Figures		



Unit 5: Data Collection and Analysis				
	Lessons			
	14.1	Explore Statistical Data Collection		
Module 14—Data Collection and Displays	14.2	Display Data in Dot Plots		
and Displays	14.3	Make Histograms and Frequency Tables		
	Lessons			
M 1 1 45 M	15.1	Explore Mean as Fair Share		
Module 15—Measures of Center	15.2	Find Measures of Center		
or center	15.3	Choose a Measure of Center		
	Lessons			
	16.1	Explore Patterns of Data		
	16.2	Display Data in Box Plots		
Module 16—Variability and Data Distribution	16.3	Find Mean Absolute Deviation		
and Data Distribution	16.4	Explore Measures of Variability		
	16.5	Describe Distributions		

Unit 1: Proportional Relationships						
	Lessons					
	1.1	Explore Relationships				
	1.2	Recognize Proportional Relationships in Tables				
Module 1—Identify and Represent Proportional Relationships	1.3	Compute Unit Rates Involving Fractions				
	1.4	Recognize Proportional Relationships in Graphs				
Relationships	1.5	Use Proportional Relationships to Solve Rate Problems				
	1.6	Practice Proportional Reasoning with Scale Drawings				
	Lessons					
	2.1	Percent Change				
Madula 2. Dua es Caral	2.2	Markups and Discounts				
Module 2—Proportional Reasoning with Percents	2.3	Taxes and Gratuities				
Redsoming with Fercents	2.4	Commissions and Fees				
	2.5	Simple Interest				
	Unit 2: Ro	ational Number Operations				
	Lessons					
Module 3–Understand	3.1	Add or Subtract a Positive Integer on a Number Line				
Addition and Subtraction	3.2	Add or Subtract a Negative Integer on a Number Line				
of Rational Numbers	3.3	Use a Number Line to Add and Subtract Rational Numbers				
	Lessons					
	4.1	Compute Sums of Integers				
Module 4—Add and	4.2	Compute Differences of Integers				
Subtract Rational Numbers	4.3	Compute Sums and Differences of Rational Numbers				
	4.4	Apply Properties to Multi-Step Addition and Subtraction Problems				
	Lessons					
	5.1	Understand Multiplication and Division of Rational Numbers				
Module 5—Multiply and	5.2	Multiply Rational Numbers				
Divide Rational Numbers	5.3	Write Fractions as Decimals and Divide Integers				
	5.4	Multiply and Divide Rational Numbers in Context				
	Lessons					
Module 6-Solve Multi-Step		Apply Properties and Strategies to Operate with Rational Numbers				
Module 6–Solve Multi-Step	6.1	Apply Pioperties and Strategies to Operate with Rational Numbers				
Module 6—Solve Multi-Step Problems Using Rational Numbers	6.1	Estimate to Check Reasonableness				



Unit 3: Model with Expressions, Equations, and Inequalities					
	Lessons				
	7.1	Write Linear Expressions in Different Forms for Situations			
Module 7—Solve Problems	7.2	Add, Subtract, and Factor Linear Expressions with Rational Coefficients			
Using Expressions and Equations	7.3	Write Two-Step Equations for Situations			
	7.4	Apply Two-Step Equations to Solve Real-World Problems			
	7.5	Apply Two-Step Equations to Find Angle Measures			
	Lessons				
Mad In O. Callas Basklasas	8.1	Understand and Apply Properties to Solve One-Step Inequalities			
Module 8—Solve Problems Using Inequalities	8.2	Write Two-Step Inequalities for Situations			
	8.3	Apply Two-Step Inequalities to Solve Problems			
		Unit 4: Geometry			
	Lessons				
_	9.1	Draw Circles and Other Figures			
Module 9—Draw and	9.2	Draw and Construct Triangles Given Side Lengths			
Analyze Two-Dimensional Figures	9.3	Draw and Construct Triangles Given Angle Measures			
1.94.00	9.4	Draw and Analyze Shapes to Solve Problems			
	Lessons				
	10.1	Derive and Apply Formulas for Circumference			
Module 10—Analyze Figures to Find Circumference	10.2	Derive and Apply a Formula for the Area of a Circle			
and Area	10.3	Describe and Analyze Cross Sections of Circular Solids			
	10.4	Areas of Composite Figures			
	Lessons				
	11.1	Describe and Analyze Cross Sections of Prisms and Pyramids			
Module 11—Analyze Surface	11.1 11.2	Describe and Analyze Cross Sections of Prisms and Pyramids Derive and Apply Formulas for Surface Areas of Cubes and Right Prisms			
Module 11—Analyze Surface Area and Volume					
-	11.2	Derive and Apply Formulas for Surface Areas of Cubes and Right Prisms			
-	11.2 11.3 11.4	Derive and Apply Formulas for Surface Areas of Cubes and Right Prisms Derive and Apply a Formula for the Volume of a Right Prism			
-	11.2 11.3 11.4	Derive and Apply Formulas for Surface Areas of Cubes and Right Prisms Derive and Apply a Formula for the Volume of a Right Prism Solve Multi-Step Problems with Surface Area and Volume			
Area and Volume	11.2 11.3 11.4 Unit 5: S	Derive and Apply Formulas for Surface Areas of Cubes and Right Prisms Derive and Apply a Formula for the Volume of a Right Prism Solve Multi-Step Problems with Surface Area and Volume			
-	11.2 11.3 11.4 Unit 5: S	Derive and Apply Formulas for Surface Areas of Cubes and Right Prisms Derive and Apply a Formula for the Volume of a Right Prism Solve Multi-Step Problems with Surface Area and Volume ampling and Data Analysis			

	Lessons			
Module 13—Use Statistics	13.1	Compare Center and Spread of Data Displayed in Dot Plots		
and Graphs to Compare	13.2	Compare Center and Spread of Data Displayed in Box Plots		
Data	13.3	Compare Means Using Mean Absolute Deviation and Repeated Sampling		
Unit 6: Probability				
	Lessons			
Module 14—Understand and Apply Experimental Probability	14.1	Understand Probability of an Event		
	14.2	Find Experimental Probability of Simple Events		
	14.3	Find Experimental Probability of Compound Events		
	14.4	Use Experimental Probability and Proportional Reasoning to Make Predictions		
	Lessons			
	15.1	Find Theoretical Probability of Simple Events		
Module 15—Understand and Apply Theoretical Probability	15.2	Find Theoretical Probability of Compound Events		
	15.3	Use Theoretical Probability and Proportional Reasoning to Make Predictions		
	15.4	Conduct Simulations		

Unit 1: Transformational Geometry				
	Lessons			
	1.1	Investigate Transformations		
	1.2	Explore Translations		
Module 1—Transformations and Congruence	1.3	Explore Reflections		
	1.4	Explore Rotations		
	1.5	Understand and Recognize Congruent Figures		
	Lessons			
Mad la 2 Taractamatica	2.1	Investigate Reductions and Enlargements		
Module 2—Transformations and Similarity	2.2	Explore Dilations		
and Similarity	2.3	Understand and Recognize Similar Figures		
Un	it 2: Line	ar Equations and Applications		
	Lessons			
M 1 1 7 0 1 1:	3.1	Solve Multi-Step Linear Equations		
Module 3—Solve Linear Equations	3.2	Examine Special Cases		
Equations	3.3	Apply Linear Equations		
	Lessons			
Madula / Anala	4.1	Develop Angle Relationships for Triangles		
Module 4—Angle Relationships	4.2	Investigate Angle-Angle Similarity		
Relationships	4.3	Explore Parallel Lines Cut by a Transversal		
Unit 3: Relationships and Functions				
	Lessons			
	5.1	Explain Slope with Similar Triangles		
Module 5—Proportional	5.2	Derive y = mx		
Relationships	5.3	Interpret and Graph Proportional Relationships		
	5.4	Compare Proportional Relationships		
	Lessons			
	6.1	Understand and Graph Functions		
	6.2	Derive and Interpret y = mx + b		
Module 6–Understand and	6.3	Interpret Rate of Change and Initial Value		
Analyze Functions	6.4	Construct Functions		
	6.5	Compare Functions		
	6.6	Describe and Sketch Nonlinear Functions		

	Lessons			
	7.1	Represent Systems by Graphing		
	7.2	Solve Systems by Graphing		
Module 7–Systems of	7.3	Solve Systems by Substitution		
Linear Equations	7.4	Solve Systems by Elimination		
	7.5	Examine Special Systems		
	7.6	Apply Systems of Equations		
	Unit 4:	Statistics and Probability		
	Lessons			
	8.1	Construct Scatter Plots and Examine Association		
Module 8—Scatter Plots	8.2	Draw and Analyze Trend Lines		
	8.3	Interpret Linear Data in Context		
	Lessons			
	9.1	Construct and Interpret Two-Way Frequency Tables		
Module 9–Two-Way Tables	9.2	Construct Two-Way Relative Frequency Tables		
	9.3	Interpret Two-Way Relative Frequency Tables		
Unit 5: F	Real Num	bers and the Pythagorean Theorem		
	Lessons			
Module 10—Real Numbers	10.1	Understand Rational and Irrational Numbers		
	10.2	Investigate Roots		
	10.3	Order Real Numbers		
Lessons				
	11.1	Prove the Pythagorean Theorem		
Module 11–The Pythagorean	11.2	Prove the Converse of the Pythagorean Theorem		
Theorem	11.3	Apply the Pythagorean Theorem		
	11.4	Apply the Pythagorean Theorem in the Coordinate Plane		
Unit 6:	Exponen	ts, Scientific Notation, and Volume		
	Lessons			
Module 12—Exponents and	12.1	Know and Apply Properties of Exponents		
Scientific Notation	12.2	Understand Scientific Notation		
	12.3	Compute with Scientific Notation		
	Lessons			
	13.1	Find Volume of Cylinders		
Module 13-Volume	13.2	Find Volume of Cones		
Tradicio Volume	13.3	Find Volume of Spheres		
	13.4	Apply Volume		



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