

GO Math! Chapter 1: Whole Numbers and Decimals

GO Math! Lessons		TenMarks Resources						
Assignments	Synth Title	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments	
Lesson 1	Divide Multi-Digit Numbers	<p>Dividing Multi-Digit Numbers</p> <p>Understanding Division</p> <p>Estimating to Check the Quotient</p> <p>Expressing Quotients with Remainders</p>						
Lesson 2	Prime Factorization	<p>Identifying Greatest Common Factors and Least Common Multiples</p> <p>Strategies for Identifying the Greatest Common Factor</p>			Find the Greatest Common Factor			
Lesson 3	Least Common Multiple	<p>Identifying Greatest Common Factors and Least Common Multiples</p> <p>Strategies for Identifying the Least Common Multiple</p> <p>Using the LCM to Solve a Word Problem</p>					SLA 6.NS.4	
Lesson 4	Greatest Common Factor	<p>Identifying the Greatest Common Factor</p>	<p>Identifying Greatest Common Factors and Least Common Multiples</p> <p>Utilizing the Distributive Property to Find the Sum</p>	Identifying the Greatest Common Factor	Identifying the Greatest Common Factor			
Lesson 5	Problem Solving - Apply the Greatest Common Factor	<p>Identifying Greatest Common Factors and Least Common Multiples</p> <p>Using the GCF to Solve a Word Problem</p>						
Lesson 6	Add and Subtract Decimals	<p>Applying the Four Operations to Multi-Digit Decimals</p> <p>Adding Multi-Digit Decimals</p> <p>Subtracting Multi-Digit Decimals</p>						
Lesson 7	Multiply Decimals	<p>Applying the Four Operations to Multi-Digit Decimals</p> <p>Multiplying Multi-Digit Decimals Using the Standard Algorithm</p>						
Lesson 8	Divide Decimals by Whole Numbers							
Lesson 9	Divide with Decimals	<p>Applying the Four Operations to Multi-Digit Decimals</p> <p>Dividing Multi-Digit Decimals</p>						

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GO Math! Chapter 2: Fractions

GO Math! Lessons		TenMarks Resources							
		Assignments	Synth Title	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 1	Fractions and Decimals								
Lesson 2	Compare and Order Fractions and Decimals	Rational Numbers on Number Lines and Coordinate Planes		Understanding Opposites and Identifying Rational Numbers on a Number Line and a Coordinate Plane Locating Rational Numbers on a Number Line					
Lesson 3	Multiply Fractions								
Lesson 4	Simplify Factors								
Lesson 5	Model Fraction Division			Word Problems with Quotients of Fractions Using Models to Divide Fractions					
Lesson 6	Estimate Quotients								
Lesson 7	Divide Fractions			Word Problems with Quotients of Fractions Understanding Division of Fractions					
Lesson 8	Model Mixed Number Division			Word Problems with Quotients of Fractions Using Models to Solve a Word Problem					
Lesson 9	Divide Mixed Numbers								
Lesson 10	Problem Solving - Fraction Operations	Dividing Fractions and Whole Numbers Dividing Fractions and Mixed Numbers Dividing Two Fractions		Word Problems with Quotients of Fractions Solving Word Problems that Relate Multiplication and Division Using Models to Interpret a Quotient	Dividing Whole Numbers and Fractions Dividing Mixed Numbers and Fractions Dividing Fractions	Dividing Fractions and Whole Numbers Dividing Fractions and Mixed Numbers Dividing Two Fractions			SLA 6.NS.1

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GO Math! Chapter 3: Rational Numbers

GO Math! Lessons		TenMarks Resources							
		Assignments	Synth Title	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 1	Understand Positive and Negative Numbers	Identifying Opposite Numbers		<p>Understanding Magnitude and Direction with Positive and Negative Numbers</p> <p>Using Positive and Negative Numbers to Represent Position</p> <p>Identifying Context Clues for Positive and Negative Numbers</p> <p>Using Positive and Negative Numbers to Represent Temperature</p> <p>Playing with Positive and Negative Numbers at the Bank</p> <p>Understanding Opposites and Identifying Rational Numbers on a Number Line and a Coordinate Plane</p> <p>Identifying Opposite Numbers on the Number Line</p> <p>Identifying the Opposite</p>	Opposite Numbers	Identifying Opposite Numbers Using a Number Line	Find Opposite Numbers	Elevate Your Position	SLA 6.NS.5
Lesson 2	Compare and Order Integers	Using Integers to Represent Quantities		<p>Understanding Magnitude and Direction with Positive and Negative Numbers</p> <p>How Low Can You Go?</p>	Using Integers to Represent Quantities	Positive and Negative Numbers in Real World Situations			
Lesson 3	Rational Numbers and the Number Line								
Lesson 4	Compare and Order Rational Numbers	Use Inequality Statements to Express RealWorld Context		<p>Comparing Rational Numbers and Understanding Absolute Value</p> <p>Writing Inequalities Using the Number Line</p> <p>Writing Inequalities to Compare Rational Numbers Using a Vertical Number Line</p>	Comparing Rational Numbers on a Number Line	Ordering and Comparing Rational Numbers			
Lesson 5	Absolute Value	Understanding the Absolute Value of Rational Numbers		<p>Comparing Rational Numbers and Understanding Absolute Value</p> <p>Identifying Absolute Value</p> <p>Interpreting Absolute Value in a Real-World Context</p>	Understanding Absolute Value	Understanding Absolute Value of Rational Numbers		Bunny Hop	
Lesson 6	Compare Absolute Values	Absolute Value and Statements about Order		<p>Comparing Rational Numbers and Understanding Absolute Value</p> <p>Identifying and Comparing Absolute Values</p>					SLA 6.NS.7
Lesson 7	Rational Numbers and the Coordinate Plane								
Lesson 8	Ordered Pair Relationships	Opposite Numbers in the Coordinate Plane		<p>Understanding Opposites and Identifying Rational Numbers on a Number Line and a Coordinate Plane</p> <p>Understanding the Relationship Between Quadrants and Signs of Numbers in Ordered Pairs</p> <p>Identifying and Understanding the Relationship Between a Point and Its Reflection Over an Axis</p> <p>Plotting and Identifying Integers in the Coordinate Plane</p>	Opposite Numbers on a Coordinate Plane	Identifying Opposite Numbers on the Coordinate Plane			SLA 6.NS.6

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GO Math! Chapter 3: Rational Numbers

GO Math! Lessons		TenMarks Resources							
		Assignments	Synth Title	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 9	Distance on the Coordinate Plane			Fun with the Four Quadrants Finding Distances on the Coordinate Plane					
Lesson 10	Problem Solving - The Coordinate Plane	Solving Problems with Points on the Coordinate Plane		Fun with the Four Quadrants Mapping with the Coordinate Plane Sinking Ships Follow the Leader: Understanding Position on the Coordinate Plane	Identifying Distances Between Points on a Coordinate Plane	Identifying Distances Using Points on a Coordinate Plane			

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GO Math! Chapter 4: Ratios and Rates

GO Math! Lessons		TenMarks Resources						
	Assignments	Synth Title	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 1	Investigate - Model Ratios		<p>Understanding Ratio Relationships between Two Quantities</p> <p>Modeling Ratios</p>				Lemonator 9000	
Lesson 2	Ratios and Rates		<p>Understanding Ratio Relationships between Two Quantities</p> <p>Part-to-Whole and Part-to-Part Relationships</p> <p>Ratio Scenarios</p> <p>Understand Unit Rates with a Ratio</p> <p>Rates and Unit Rates</p>			Divide Unit Fractions by Whole Numbers		
Lesson 3	Equivalent Ratios and Multiplication Tables	Representing Ratios	<p>Understanding Ratio Relationships between Two Quantities</p> <p>Writing a Ratio</p> <p>Expressing a Ratio from a Word Problem</p> <p>Making Tables of Equivalent Ratios to Relate and Compare Quantities</p> <p>Understanding Equivalent Ratios</p>	Representing Ratios	Representing Ratios Using Models and Tables			SLA 6.RP.1
Lesson 4	Problem Solving - Use Tables to Compare Ratios							
Lesson 5	Use Equivalent Ratios		<p>Making Tables of Equivalent Ratios to Relate and Compare Quantities</p> <p>Using Models to Create a Table</p> <p>What's the Pattern?</p>			Multiply Fractions and Whole Numbers		
Lesson 6	Find Unit Rates	Expressing Unit Rate	<p>Understand Unit Rates with a Ratio</p> <p>Better Busy</p> <p>Solving for Unit Rate</p>	Understanding Unit Rate	Identifying Unit Rate			SLA 6.RP.2
Lesson 7	Use Unit Rates	Solving Problems Involving Unit Rate	<p>Solving Unit Rate Problems</p> <p>Finding and Using Unit Rate</p> <p>Price per Pound</p> <p>Unit Rate and Equivalent Ratios</p> <p>What's the Best Buy?</p>	Solving Problems Involving Unit Rate	Solving Problems Involving Unit Rate			
Lesson 8	Equivalent Ratios and Graphs		<p>Making Tables of Equivalent Ratios to Relate and Compare Quantities</p> <p>Ratio Relationships on the Coordinate Plane</p>					

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GO Math! Chapter 5: Percents

GO Math! Lessons		TenMarks Resources							
Lesson	Investigate - Model Percents	Assignments	Synth Title	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 1	Investigate - Model Percents			Understanding Percent as a Rate per 100 What Is Percent?					
Lesson 2	Write Percents as Fractions and Decimals								
Lesson 3	Write Fractions and Decimals as Percents								
Lesson 4	Percent of a Quantity			Understanding Percent as a Rate per 100 Finding the Percent from a Total					
Lesson 5	Problem Solving - Percents	Solving Percent Word Problems		Understanding Percent as a Rate per 100 Modeling Percent with a 10 × 10 Grid Percent Discounts	Expressing and Solving Percents	Percent Relationships Expressing Percents as Fractions, Decimals, and by Using Models			
Lesson 6	Find the Whole From a Percent	Percent Relationships		Understanding Percent as a Rate per 100 Finding the Total from a Percent					

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GO Math! Chapter 6: Units of Measure

GO Math! Lessons		TenMarks Resources							
		Assignments	Synth Title	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 1	Convert Units of Length	Converting Measurement Units Using Ratio Reasoning		Using Ratios to Convert Measurement Units Conversion with Equivalent Fractions Converting Meters and Centimeters Converting between Customary and Metric Units Converting Measures	Converting Measurement Units Using Ratios	Converting Measurement Units Using Ratio Reasoning			
Lesson 2	Convert Units of Capacity			Using Ratios to Convert Measurement Units Cups in a Gallon					
Lesson 3	Convert Units of Weight and Mass								
Lesson 4	Transform Units								
Lesson 5	Problem Solving - Distance, Rate, and Time Formulas								

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GO Math! Chapter 7: Algebra: Expressions

GO Math! Lessons		TenMarks Resources						
	Assignments	Synth Title	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 1	Exponents		Write and Evaluate Numerical Expressions Involving Whole-Number Exponents Exponential Notation Means Repeated Multiplication Understanding Repeated Multiplication					
Lesson 2	Evaluate Expressions Involving Exponents		Write and Evaluate Numerical Expressions Involving Whole-Number Exponents Exponential Notation in Expressions Using Order of Operations in Expressions Using Order of Operations with Exponents					
Lesson 3	Write Algebraic Expressions		Write, Read, and Evaluate Expressions in which Letters Stand for Numbers Writing Expressions with Numbers and Variables Writing Expressions with Variables to Solve Word Problems					
Lesson 4	Identify Parts of Expressions	Parts of an Expression	Write, Read, and Evaluate Expressions in which Letters Stand for Numbers Identifying Terms in an Expression	Identifying Parts of an Expression	Identifying Parts of an Expression			SLA 6.EE.2
Lesson 5	Evaluate Algebraic Expressions and Formulas	Using Order of Operations to Evaluate Expressions	Write, Read, and Evaluate Expressions in which Letters Stand for Numbers Using Substitution to Evaluate Expressions Evaluating Formulas that Involve Expressions	Using Order of Operations to Evaluate Expressions	Using Order of Operations to Evaluate Algebraic Expressions			
Lesson 6	Use Algebraic Expressions							
Lesson 7	Problem Solving - Combine Like Terms		Identifying Equivalent Expressions Identifying Like Terms Combining Like Terms Identifying Like Terms and Parts of an Expression Rewriting Equivalent Expressions					
Lesson 8	Generate Equivalent Expressions	Identifying Equivalent Expressions by Evaluation	Applying the Properties of Operations to Generate Equivalent Expressions Understanding the Distributive Property Writing Equivalent Expressions Identifying Equivalent Expressions Equivalent Expressions and the Distributive Property	Identifying Equivalent Expressions by Evaluation	Identifying Equivalent Expressions			SLA 6.EE.4

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GO Math! Chapter 7: Algebra: Expressions

GO Math! Lessons	Assignments	Synth Title	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
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Combining Like Terms to Find Perimeter

Lesson 9 Identify Equivalent Expressions

Applying the Properties of Operations to Generate Equivalent Expressions

Applying Properties of Operations to Produce Equivalent Expressions

Equivalent Expressions in a Real-World Context

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GO Math! Chapter 8: Algebra: Equations and Inequalities

GO Math! Lessons		TenMarks Resources						
Lesson	Synth Title	Assignments	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 1	Solutions of Equations							
Lesson 2	Write Equations		<p>Understanding Solutions of Equations and Inequalities</p> <p>Substitution and Equations</p>					
Lesson 3	Model and Solve Addition Equations		<p>Reason About and Solve One-Variable Equations</p> <p>Balancing One-Step Equations</p>					
Lesson 4	Solve Addition and Subtraction Equations		<p>Reason About and Solve One-Variable Equations</p> <p>Solving for the Unknown</p>					
Lesson 5	Model and Solve Multiplication Equations		<p>Reason About and Solve One-Variable Equations</p> <p>Modeling Equations</p>					
Lesson 6	Solve Multiplication and Division Equations		<p>Reason About and Solve One-Variable Equations</p> <p>Modeling One-Step Equations</p>					
Lesson 7	Problem Solving - Equations With Fractions							
Lesson 8	Solutions of Inequalities		<p>Understanding Solutions of Equations and Inequalities</p> <p>Comparing Equations and Inequalities</p>					
Lesson 9	Write Inequalities							
Lesson 10	Graph Inequalities	<p>Solving Word Problems Involving Inequalities</p>	<p>Writing Inequalities to Represent a Real-World or Mathematical Problem</p> <p>Inequalities on a Number Line</p> <p>Identifying and Writing the Inequality</p> <p>Inequalities in the Real World</p> <p>Interpreting the Solution to an Inequality</p>	<p>Solving Inequalities and Word Problems</p>	<p>Identifying Inequalities and Solutions to Word Problems</p>		<p>Get in Line</p>	<p>SLA 6.EE.8</p>

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GO Math! Chapter 9: Algebra: Relationships Between Variables

GO Math! Lessons		TenMarks Resources							
		Assignments	Synth Title	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 1	Independent and Dependent Variables			Representing and Analyzing the Relationship between Independent and Dependent Variables in the Real World Understanding Independent and Dependent Variables Identifying Independent and Dependent Variables within a Context					
Lesson 2	Equations and Tables			Representing and Analyzing the Relationship between Independent and Dependent Variables in the Real World Identifying the Relationship between Two Variables by Using a Table					
Lesson 3	Problem Solving - Analyze Relationships								
Lesson 4	Graph Relationships			Representing and Analyzing the Relationship between Independent and Dependent Variables in the Real World Understanding the Relationship between Two Variables by Using a Graph					
Lesson 5	Equations and Graphs	Independent and Dependent Variables and Equations		Representing and Analyzing the Relationship between Independent and Dependent Variables in the Real World Using a Graph to Write an Equation Investigating a Relationship between Two Variables by Using Tables and Graphs Writing an Equation to Model a Context	Independent and Dependent Variables	Independent and Dependent Variables and Equations			SLA 6.EE.9

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GO Math! Chapter 10: Area

GO Math! Lessons		TenMarks Resources							
		Assignments	Synth Title	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 1	Area of Parallelograms								
Lesson 2	Explore Area of Triangles			Finding the Area of Triangles and Other Polygons Using the Area of a Rectangle to Understand the Area of a Triangle					
Lesson 3	Area of Triangles			Finding the Area of Triangles and Other Polygons Decomposing a Triangle to Find the Area Identifying Base and Height to Find the Area of a Triangle				Half to Tri It	
Lesson 4	Explore Area of Trapezoids								
Lesson 5	Area of Trapezoids								
Lesson 6	Area of Regular Polygons								
Lesson 7	Composite Figures	Finding the Area of Composite Figures		Finding the Area of Triangles and Other Polygons Composing a Figure to Find the Area Decomposing a Figure to Find the Area Decomposing a Kite to Find the Area Decomposing a Hexagon to Find the Area	Identifying Areas of Parallelograms & Triangles Area of Trapezoids	Finding the Area of Composite Figures			
Lesson 8	Problem Solving - Changing Dimensions								
Lesson 9	Figures on the Coordinate Plane			Identifying Side Lengths in the Coordinate Plane Identifying Side Lengths of a Triangle Using Side Lengths to Form a Rectangle Identifying the Distance between Points in Multiple Quadrants					SLA 6.NS.8

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GO Math! Chapter 11: Surface Area and Volume

GO Math! Lessons		TenMarks Resources							
Lesson	GO Math! Lesson Title	Assignments	Synth Title	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 1	Three-Dimensional Figures and Nets			Identifying Surface Area Using Nets Identifying Vertices, Faces, and Edges of 3D Figures Building a Shape Using a Net Deconstructing a Shape to Form a Net					
Lesson 2	Explore Surface Area Using Nets		Finding the Surface Area of 3-D Figures Using Nets	Identifying Surface Area Using Nets Using Nets to Find Surface Area Comparing Surface Areas Matching Descriptions, Figures, and Nets Identifying the Surface Area within a Context	Finding Surface Area of 3-D Figures Involving Nets	Finding Surface Area of 3-D Figures Using Nets			Think Outside the Box
Lesson 3	Surface Area of Prisms								
Lesson 4	Surface Area of Pyramids								
Lesson 5	Fractions and Volume			Identifying Volume of Rectangular Prisms with Fractional Side Lengths Understanding Fractional Cubes					
Lesson 6	Volume of Rectangular Prisms		Finding the Volume of a Rectangular Prism	Identifying Volume of Rectangular Prisms with Fractional Side Lengths Identifying the Volume of a Rectangular Prism with Fractional Side Lengths Finding the Missing Dimension	Identifying Volume of a Rectangular Prism with Fractional Side Lengths	Finding the Volume of Rectangular Prisms			
Lesson 7	Problem Solving - Geometric Measurements			Identifying Volume of Rectangular Prisms with Fractional Side Lengths Comparing Volumes of Rectangular Prisms Solving Real-World Problems That Involve Volume					

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GO Math! Chapter 12: Data Displays and Measures of Center

GO Math! Lessons		Assignments	Synth Title	Lessons	TenMarks Resources				
Lesson	Lesson Title				Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 1	Recognize Statistical Questions			Statistical Questions Defining Statistical Questions Identifying and Formulating Statistical Questions					
Lesson 2	Describe Data Collection	Identifying Observation Numbers Based on a Data Display Attributes of Data Displays		Interpreting Data Sets Identifying the Number of Observations Identifying Reasonable Units For Data Displays	Attributes and Observations of Data Displays Describe Data Distribution Measures of Center	How to Display Numerical Data Using Center, Spread, and Shape to Describe Data Distribution			
Lesson 3	Dot Plots and Frequency Tables			Visualizing Univariate Data Making a Dot Plot from a Table of Values					
Lesson 4	Histograms			Visualizing Univariate Data Using Histograms to Visually Interpret Data How Interval Size Affects the Shape of a Histogram					
Lesson 5	Mean as Fair Share and Balance Point								
Lesson 6	Measures of Center			Interpreting Data Sets Interpreting the Mean and Median					
Lesson 7	Effects of Outliers								
Lesson 8	Problem Solving - Data Displays								
Lesson 7	Effects of Outliers								
Lesson 8	Problem Solving - Data Displays								

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GO Math! Chapter 13: Variability and Data Distributions

GO Math! Lessons		TenMarks Resources							
Lesson 1	Patterns in Data	Assignments	Synth Title	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 2	Box Plots	Displaying Numerical Data		Visualizing Univariate Data Making Box Plots Interpreting Data in Box Plots	Displaying Numerical Data: Line Plots and Histograms Displaying Numerical Data: Box Plots	Displaying Data Using Line Plots and Histograms Displaying Data Using Box Plots			SLA 6.SP.4
Lesson 3	Mean Absolute Deviation			Interpreting Data Sets Measuring Variability: Mean Absolute Deviation					
Lesson 4	Measures of Variability			Interpreting Data Sets Measuring Variability: IQR and Range					
Lesson 5	Choose Appropriate Measures of Center and Variability			Interpreting Data Sets Which Measure of Center is Better?					
Lesson 6	Apply Measures of Center and Variability	Measures of Center and Variability: Shape Data Display		Interpreting Data Sets Interpreting Data Using the Mean and MAD Interpreting Data Using the Median and IQR	Comparing Two Data Sets: Median & IQR Comparing Two Data Sets: Mean & Mad	Identifying the Best Measure of Center and Variability to Use Describing a Data Set Using Measures of Center			
Lesson 7	Describe Distributions	Describing Data Distributions in Terms Center/Spread/Shape		Investigating Data Distributions Matching Dot Plots to Statistical Questions Anticipating the Spread of a Data Set Data Sets with Different Shapes	Describe Data Distribution Measures of Center	Using Center, Spread, and Shape to Describe Data Distribution			SLA 6.SP.2
Lesson 8	Problem Solving - Misleading Statistics								