

GO Math! Unit 1: The Number System

GO Math! Lessons		TenMarks Resources						
		Assignments	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Module 1: Adding and Subtracting Integers								
Lesson 1	Adding Integers with the Same sign							
Lesson 2	Adding Integers with Different Signs	Understanding and Identifying Opposite Quantities	Reasoning Rationally: Addition and Subtraction of Rational Numbers A Number and Its Opposite: Adding Opposites on the Number Line Opposites Attract: Understanding Additive Inverses It's Electric: Applying Additive Inverses within a Context	Opposite Numbers	Identifying Opposite Numbers Using a Number Line	Find Opposite Integers	Hole Numbers	
Lesson 3	Subtracting Integers							
Lesson 4	Applying Addition and Subtraction of Integers							
Module 2: Multiplying and Dividing Integers								
Lesson 1	Multiplying Integers		Reasoning Rationally: Multiplication and Division of Rational Numbers Multiplying Negative and Positive Integers					
Lesson 2	Dividing Integers	Understanding Division of Integers	Reasoning Rationally: Multiplication and Division of Rational Numbers Establishing the Rules for Dividing Integers	Understanding Division of Integers	Understanding Division of Integers	Multiply and Divide Integers		
Lesson 3	Applying Integer Operations							
Module 3: Rational Numbers								
Lesson 1	Rational Numbers and Decimals	Converting Rational Numbers to Decimals	Reasoning Rationally: Multiplication and Division of Rational Numbers Writing the Quotient as a Decimal and Identifying Terminating and Repeating Decimals	Converting Rational Numbers to Decimals	Converting Rational Numbers to Decimals			
Lesson 2	Adding Rational Numbers	Applying Addition and Subtraction to Rational Numbers	Reasoning Rationally: Addition and Subtraction of Rational Numbers Finding the Right Balance	Applying Addition and Subtraction to Rational Numbers	Addition and Subtraction of Rational Numbers Using a Number Line	Add and Subtract Integers		SLA 7.NS.1
Lesson 3	Subtracting Rational Numbers	Understanding Subtraction of Rational Numbers	Reasoning Rationally: Addition and Subtraction of Rational Numbers Finding the Difference to Go the Distance	Subtracting Rational Numbers	Addition and Subtraction of Rational Numbers Using a Number Line	Find Absolute Value		

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GO Math! Lessons	TenMarks Resources						
	Assignments	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Lesson 4 Multiplying Rational Numbers	Understanding Multiplication of Rational Numbers	Reasoning Rationally: Multiplication and Division of Rational Numbers	Understanding Multiplication of Integers	Understanding Multiplication of Integers Using Addition and Visuals			
		Applying Properties of Multiplication	Solving Problems Involving Rational Numbers	Addition and Subtraction of Rational Numbers Using a Number Line	Understanding Division of Integers		
Lesson 5 Dividing Rational Numbers	Applying Division to Integers and Fractions	Reasoning Rationally: Multiplication and Division of Rational Numbers	Dividing Rational Numbers	Dividing Two Fractions			
	Applying Multiplication and Division to Rational Numbers	Dividing Rational Values	Understanding Division of Integers	Dividing Fractions and Whole Numbers			
Lesson 6 Applying Rational Number Operations	Understanding Multiplication of Fractions	Reasoning Rationally: Multiplication and Division of Rational Numbers	Understanding Multiplication of Fractions	Understanding Multiplication of Fractions			
	Applying Multiplication to Integers and Fractions	Multiplying and Dividing Negative Numbers		Applying Multiplication to Integers and Fractions			
				The Distributive Property			

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GO Math! Unit 2: Ratios and Proportional Relationships

GO Math! Lessons		TenMarks Resources						
		Assignments	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Module 4: Ratios and Proportionality								
Lesson 1	Unit Rates	Calculating Unit Rates with Ratios of Fractions						
		Calculating Unit Rates with Fractional Values						
Lesson 2	Constant Rates of Change	Representing Proportional Relationships						
		Proportional, or Not Proportional, That is the Question						
Lesson 3	Proportional Relationships and Graphs	Identifying Proportional Relationships	Representing Proportional Relationships	Identifying Proportional Relationships	Proportional Relationships Using Graphs and Equations		Proportional Reasoning	
		Representing Proportional Relationships Graphically	Relating Tables and Graphs of Proportional Relationships	Identifying the Constant of Proportionality	Proportional Relationships Using Tables			
		Identifying the Constant of Proportionality	Relating the Constant of Proportionality and the Unit Rate		Identifying if a Table of Values Represents Direct Variation			
		Representing Proportional Relationships Algebraically	Identifying the Constant of Proportionality Using a Graph		Identifying Ratios Using Tables and Graphs			
			Using Unit Rate to Write Equations		Representing Proportional Relationships Algebraically			
			Writing Equations and Graphing Proportional Relationships				SLA 7.RP.2	
Module 5: Proportions and Percent								
Lesson 1	Percent Increase and Decrease							
Lesson 2	Rewriting Percent Expressions							
Lesson 3	Applications of Percent	Proportional Reasoning with Percents	Solving Multi-Step Ratio and Percent Problems	Proportional Reasoning	Proportional Reasoning With Percents			
		Calculating Percent	Discounts at the Register		Understanding Proportions			
			Solving Word Problems Involving Commission		Percent Relationships			
			Understanding Percentages Greater than 100%		Proportional Reasoning With Percents			
			Solving Problems with Percent Increase					
			Simple Interest					

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GO Math! Unit 3: Expressions, Equations, and Inequalities

GO Math! Lessons		TenMarks Resources						
		Assignments	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Module 6: Expressions and Equations								
Lesson 1	Algebraic Expressions	Solve & Expand: Linear Expressions with Rational Coefficients	Expanding and Factoring Linear Expressions with Rational Coefficients	Understanding Algebraic Expressions	Solving Expressions with Rational Coefficients			
			Combining Like Terms to Find the Perimeter		The Distributive Property			
			Combining Like Terms to Simplify an Expression					
			Factoring an Expression					
			Writing an Equivalent Expression Using the Distributive Property and Combining Like Terms					
Lesson 2	One-Step Equations with Rational Coefficients							
Lesson 3	Writing Two-Step Equations							
Lesson 4	Solving Two-Step Equations	Solving One-Step Equations: Addition and Subtraction	Solving Multi-Step Algebraic Equations	Solving One-Step Equations – Addition and Subtraction	Solving One-Step Linear Equations	Solve Equations with Variables on Both Sides		
		Solving One-Step Equations: Multiplication and Division	Writing and Solving Two-Step Equations	Solving One-Step Equations – Multiplication and Division	Solving Equations and Word Problems			
		Using Equations to Solve Word Problems	Solving Multi-Step Equations with Rational Numbers	Identifying Consecutive Numbers	Solving Equations and Using Substitution			SLA 7.EE.4
		Reviewing One-Step Linear Equations		Solving Multi-Step Equations with Fractions and Decimals				
		Solving Multi-Step Equations with Integers		Solving Multi-Step Equations Algebraically				
		Solving Multi-Step Equations with Fractions and Decimals						
Module 7: Inequalities								
Lesson 1	Writing and Solving One-Step Inequalities		Solving Multi-Step Algebraic Inequalities					
			Understanding Solution Sets to Inequalities					
Lesson 2	Writing Two-Step Inequalities		Solving Multi-Step Algebraic Inequalities					
			Translating Verbal Expressions into Algebraic Inequalities					
Lesson 3	Solving Two-Step Inequalities		Solving Multi-Step Algebraic Inequalities			Multiply and Divide Integers		
			Using Inverse Operations to Solve Algebraic Inequalities					
			Multiplying and Dividing Inequalities by Negative Numbers					

TenMarks Curriculum Alignment Guide: GO Math! Grade 7

GO Math! Unit 4: Geometry

GO Math! Lessons		TenMarks Resources						
		Assignments	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Module 8: Modeling Geometric Figures								
Lesson 1	Similar Shapes and Scale Drawings	Proportional Reasoning with Scale Drawings	Scale Drawings	Scaled Figures	Understanding Proportional Reasoning and Scale Drawings		Picture Perfect	
			Understanding the Relationships Between Proportionality and Scale Drawings Understanding Scale Factor and the Impact of Scale on Side Lengths and Area Identifying a Scale Drawing or an Actual Image Given a Scale Factor Reproducing Scale Drawings Using Different Scales Applying Scale to Identify Dimensions and Area		Applying Proportional Reasoning to Scale Drawings			SLA 7.G.1
Lesson 2	Geometric Drawings		Constructing Triangles and Quadrilaterals What Makes a Triangle Will Any 3 Lengths Form a Triangle? Understanding Unique Triangles Understanding Constructions Given a Combination of Angles and Sides Constructing a Triangle, Given 2 Angles and an Included Side Constructing a Triangle, Given 2 Sides and 1 Included Angle Constructing a Triangle, Given 2 Angles and a Non-Included Side Length Do 2 Side Lengths and a Non-Included Angle Determine Uniqueness?					
Lesson 3	Cross Sections	Plane Sections of Rectangular Prisms and Pyramids	Slicing Three-Dimensional Figures Understanding and Identifying Parallel and Perpendicular Planes Parallel and Perpendicular Cuts to a Right Rectangular Prism Parallel and Perpendicular Cuts to a Right Rectangular Pyramid Non-Parallel and Non-Perpendicular Cuts to Right Rectangular Prisms	Cross Sections of Pyramids and Prisms	Plane Sections of Rectangular Prisms and Pyramids			

TenMarks Curriculum Alignment Guide: GO Math! Grade 7

GO Math! Unit 4: Geometry

GO Math! Lessons	TenMarks Resources						
	Assignments	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
		Non-Parallel and Non-Perpendicular Cuts to Right Rectangular Pyramids					SLA 7.G.3
Lesson 4 Angle Relationships		Identifying Vertical and Adjacent Angles					
		Complementary and Supplementary Angles					
		Solving Problems with Complementary and Supplementary Angles					
		Solving Multi-Step Problems with Angles					
		Solving Word Problems with Angles					SLA 7.G.5
Module 9: Circumference, Area, and Volume							
Lesson 1 Circumference		Area and Circumference of Circles					
		Introduction to Circles					
		Discovering Pi and the Formula for Circumference					
		Finding and Applying the Circumference of a Circle					
		Finding and Applying the Circumference of a Circle in Context					
Lesson 2 Area of Circles	Area and Circumference of a Circle	Area and Circumference of Circles	Circumference of a Circle	Understanding and Identifying Area and Circumference of a Circle			
		Discovering the Formula for the Area of a Circle	Area of a Circle				
		Finding the Area of a Circle					
		Finding the Area of a Circle in Context					SLA 7.G.4
Lesson 3 Area of Composite Figures	Finding Area	Area, Volume, and Surface Area	Area of Parallelograms & Triangles	Finding the Area of Composite Figures			
		Finding the Formula for the Area of a Trapezoid	Area of Trapezoids				
		Finding the Area of a Figure in Context					
Lesson 4 Solving Surface Area Problems							
Lesson 5 Solving Volume Problems	Finding Volume	Area, Volume, and Surface Area	Finding the Volume of Square and Rectangular Pyramids	Identifying Volume of Prisms and Pyramids			
	Finding Area, Volume, Surface Area of Composite Figures	Finding the Volume of Non-Rectangular Prisms	Identifying Volume of a Rectangular Prism with Fractional Side Lengths	Finding the Volume of Rectangular Prisms			

TenMarks Curriculum Alignment Guide: GO Math! Grade 7

GO Math! Unit 4: Geometry

GO Math! Lessons	TenMarks Resources					
	Assignments	Lessons	Amplifiers	Videos	Jam Sessions	Assessments
		Finding the Volume of a Composite Figure	Finding the Volume of Composite Figures	Identifying Volume and Surface Area of Composite Figures		
			Finding the Surface Area of Prisms	Effects of Changing Dimensions on Volume and Surface Area		
			Finding the Surface Area of Composite Figures	Finding the Area of Composite Figures		
			Finding Perimeter and Missing Side Lengths	Identifying Perimeter of Composite and Non-Composite Figures		
			Area of Parallelograms & Triangles			

TenMarks Curriculum Alignment Guide: GO Math! Grade 7

GO Math! Unit 5: Statistics

GO Math! Lessons		TenMarks Resources						
		Assignments	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Module 10: Random Samples and Populations								
Lesson 1	Populations and Samples		Populations and Samples Recognizing the Difference between a Sample and Its Population How to Determine If a Sample Represents Its Population Knowing That Representative Samples Must Be Generated Randomly					
Lesson 2	Making Inferences from a Random Sample		Creating and Using Random Samples to Draw Inferences and Analyze Sampling Variability Using Averages and Proportional Reasoning to Make Inferences					
Lesson 3	Generating Random Samples		Creating and Using Random Samples to Draw Inferences and Analyze Sampling Variability Determining Methods for Generating a Random Sample					
Module 11: Analyzing and Comparing Data								
Lesson 1	Comparing Data Displayed in Dot Plots		Comparing Two Data Sets Visually Comparing Two Dot Plots that Overlap Visually Comparing Two Dot Plots with No Overlap					
Lesson 2	Comparing Data Displayed in Box Plots		Comparing Two Data Sets Comparing Two Box Plots					
Lesson 3	Using Statistical Measures to Compare Populations	Understanding Overlap of Data Distributions	Comparing Two Data Sets Diving into Difference - Understanding the MAD Numerically Comparing Two Data Sets	Comparing Two Data Sets: Mean & Mad	Understanding Mean and Mean Absolute Deviation Graphically Understanding the Interquartile Range and Median Graphically			

TenMarks Curriculum Alignment Guide: GO Math! Grade 7

GO Math! Unit 6: Probability

GO Math! Lessons		TenMarks Resources						
		Assignments	Lessons	Amplifiers	Videos	Jam Sessions	Labs	Assessments
Module 12: Experimental Probability								
Lesson 1	Probability	Understanding the Probability of an Event	Introduction to Probability Understanding Likelihood Representing Likelihood with a Number Introduction to Probability: Tossing Coins Quantifying Chance: Rolling Dice The Probabilities of All Outcomes Must Add Up to 1	Finding the Probability of an Event	Understanding the Probability of an Event			SLA 7.SP.5
Lesson 2	Experimental Probability of Simple Events							
Lesson 3	Experimental Probability of Compound Events	Understanding Compound Events	Theoretical Probability: Compound Events Introduction to Compound Events Identifying the Sample Space of a Compound Event Rolling Two Dice: Compound Events with Many Possible Outcomes	Finding the Probability of Compound Events Understanding Sample Space	Understanding Compound Events		Flip To Win	
Lesson 4	Making Predictions with Experimental Probability							
Module 13: Theoretical Probability and Simulations								
Lesson 1	Theoretical Probability of Simple Events	Using Uniform Models to Calculate Probability	Theoretical Probability Models: Simple Events Identifying Favorable Outcomes and Calculating Probabilities	Probability Models	Using Uniform and Non-Uniform Models to Calculate Probability			
Lesson 2	Theoretical Probability of Compound Events							
Lesson 3	Making Predictions with Theoretical Probability		Theoretical Probability Models: Simple Events Using Probabilities to Make Predictions					
Lesson 4	Using Technology to Conduct Simulation							