

7th Grade Math Scope, Sequence and Pacing

1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER
Module 1: Thinking Proportionally	<i>Topic 3: Proportional Relationships</i>	Module 3: Reasoning Algebraically	<i>Topic 2: Compound Probability</i>
<i>Topic 1: Circles and Ratios</i>	Introducing Proportions to Solve Percent Problems	<i>Topic 1: Two-Step Expressions and Equations</i>	Using Arrays to Organize Outcomes
Exploring the Ratio of Circle Circumference to Diameter	Calculating Tips, Commission, and Simple Interest	Evaluating Algebraic Expressions	Using Tree Diagrams
Area of Circles	Sales Tax and Fees	Modeling Equations as Equal Expressions	Determining Compound Probability
Solving Area and Circumference Problems	Percent Increase and Percent Decreases	Solving Equations on a Double Number Line	<i>Topic 3: Drawing Inferences</i>
Scale and Scale Drawings	Module 2: Operating with Signed Numbers	Using Inverse Operations to Solve Equations	Collecting Random Samples
<i>Topic 2 Proportionality</i>	<i>Topic 1: Adding and Subtracting Rational Numbers</i>	Representing Equations with Tables and Graphs	Using Random Samples to Draw Inferences
Solving Problems with Ratios of Fractions	Using Models to Understand Integer Addition	<i>Topic 2: Multiple Representations of Equations and Inequalities</i>	Comparing Two Populations
Defining Proportional Relationships	Adding Integers, Part I	Rewriting Expressions Using the Distributive Property	Using Random Samples from Two Populations to Draw Conclusions
Solving Proportions Using Formal Strategies	Adding Integers, Part II	Structure of Linear Equations	Module 5: Constructing and Measuring
Constant of Proportionality	Subtracting Integers	Solving Inequalities with Inverse Operations	<i>Topic 1: Angles and Triangles</i>
Identifying the Constant of Proportionality in Graphs	Adding and Subtracting Rational Numbers	Using Equations and Inequalities to Solve Problems	Geometric Constructions
Constant of Proportionality in Multiple Representations	<i>Topic 2: Multiplying and Dividing Rational Numbers</i>	Using Multiple Representations to Solve Problems	Special Angle Relationships
	Multiplying and Dividing Integers	Module 4: Analyzing Populations and Probabilities	Constructing Triangles Given Sides
	Quotients of Integers	<i>Topic 1 Introduction to Probability</i>	Constructing Triangles Given Angles
	Using Number Properties to Interpret Expressions with Signed Numbers	Defining and Representing Probability	<i>Topic 2: Three-Dimensional Figures</i>
		Using Probability Models	Cross-Sections of Rectangular Prisms and Pyramids
		Determining Experimental Probability of Simple Events	Volumes of Pyramids
		Simulating Simple Experiment	Surface Area of Pyramids
			Volume and Surface Area of Prisms and Pyramids

Standards covered by Module

Module 1: 6.RP.1, 7.EE.2, 7.G.1, 7.G.4, 7.G.6, 7.RP.1, 7.RP.2a, 7.RP.2b, 7.RP.2c, 7.RP.2d, 7.RP.3, 7.RP.4

Module 2: 7.NS.1, 7.NS.1a, 7.NS.1b, 7.NS.1c, 7.NS.1d, 7.NS.2a, 7.NS.2b, 7.NS.2c, 7.NS.2d, 7.NS.3, 7.RP.3

Module 3: 7.EE.1, 7.EE.2, 7.EE.3, 7.EE.4, 7.EE.4a, 7.EE.4b

Module 4: 7.RP.3, 7.SP.1, 7.SP.2, 7.SP.3, 7.SP.4, 7.SP.5, 7.SP.6, 7.SP.7, 7.SP.7a, 7.SP.7b, 7.SP.8a, 7.SP.8b, 7.SP.8c

Module 5: 7.G.2, 7.G.3, 7.G.5, 7.G.6