

Please Note:

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Publisher Resource:

[Pearson](#) (select your grade and course level and use your active directory)

Other Course Supplemental Resources:

[Khan Academy](#) (6th Grade; does not support Internet Explorer)

[Khan Academy](#) (7th Grade; does not support Internet Explorer)

[Illustrative Mathematics](#) (6th Grade; does not support Internet Explorer)

[Illustrative Mathematics](#) (7th Grade; does not support Internet Explorer)

[Math Nation](#) (Clever – use your active directory; does not support Internet Explorer)

[FSA Portal](#)

[Grade 6 Mathematics Test Item Specifications](#)

[Grade 6 FSA Mathematics Paper-Based Practice Test Answer Key](#)

[PARCC \(Partnership for Assessment of Readiness for College and Careers\) - Mathematics Practice Tests with Answer Keys](#)

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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 12 – Oct 11	1 8/12 – 8/16	<ul style="list-style-type: none"> Lesson 1-1 : Fluently Add, Subtract and Multiply decimals Lesson 1-2 : Fluently Divide Whole Numbers and Decimals Lesson 1-3 : Fluently Multiply Fractions 3- ACT: Mathematical Modeling Lesson 	Dividing Whole Numbers – Khan Academy Dividing Decimals – Khan Academy Adding Decimals – Khan Academy Subtracting Decimals – Khan Academy Multiply Fractions – Khan Academy
	2 8/19 – 8/23	<ul style="list-style-type: none"> Lesson 1-4 : Understand Division with Fractions Lesson 1-5 : Divide Fractions by Fractions Lesson 1-6 : Divide Mixed Numbers Lesson 1-7 : Solve Problems with Rational Numbers 	Dividing Fractions – Khan Academy Dividing Mixed Numbers – Khan Academy Rational Numbers Lesson – Khan Academy
	3 8/26 – 8/30	<ul style="list-style-type: none"> Review Assessment 	
	4 9/3 – 9/6	<ul style="list-style-type: none"> Labor Day Holiday – 9/2 Lesson 2-1 : Understand Integers Lesson 2-2 : Represent Rational Numbers on the Number Line Lesson 2-3 : Absolute Values of Rational Numbers 	Integers and Opposites – Khan Academy Comparing and Ordering Integers – Khan Academy Absolute Value – Khan Academy
	5 9/9 – 9/13	<ul style="list-style-type: none"> Lesson 2-4 : Represent Rational Numbers on the Coordinate Plane 3-ACT: Mathematical Modeling : The Ultimate Throw Lesson 2-5: Find the Distances on the Coordinate Plane Lesson 2-6: Represent Polygons on the Coordinate Plane 	Graphing on the Coordinate Plane – Khan Academy Distance in the Coordinate Plane – Khan Academy Polygons in the Coordinate Plane – Khan Academy
	6 9/16 – 9/20	<ul style="list-style-type: none"> Review Assessment Lesson 3-1 : Understand and Represent Exponents Lesson 3-2 : Find Greatest Common Factor and Least Common Multiple 	Exponents – Khan Academy Greatest Common Factor – Khan Academy Least Common Multiple – Khan Academy
	7 9/23 – 9/27	<ul style="list-style-type: none"> Lesson 3-2: Find Greatest Common Factor & Least Common Multiple Lesson 3-3 : Write and Evaluate Numerical Expressions Lesson 3-4: Write Algebraic Expressions 	Modeling and Writing Expressions – Khan Academy Evaluating Expressions – Khan Academy

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	8 9/30 – 10/4	<ul style="list-style-type: none"> • Lesson 3-5 : Evaluate Algebraic Expressions • 3-ACT: Mathematical Modeling Lesson • Lesson 3-6 : Generate Equivalent Expressions • Lesson 3-7 : Simplify Algebraic Expressions 	Equivalent Expressions – Khan Academy
	9 10/7 – 10/11	<ul style="list-style-type: none"> • Review • Assessment • Lesson 4-1: Relate Integers and Their Opposites • Lesson 4-2 : Understand Rational Numbers 	Integers and Their Opposites – Khan Academy

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Quarter 2 Oct 15 – Dec 20	1 10/15 – 10/18	<ul style="list-style-type: none"> Teacher Planning Day 10/14 Lesson 4-3: Add Integers Lesson 4-4: Subtract Integers Lesson 4-5 : Add and Subtract Rational Numbers Lesson 4-6 : Multiply Integers 	Adding Integers – Khan Academy Subtracting Integers – Khan Academy Add/Subtract Rational Numbers – Khan Academy Multiplying Integers – Khan Academy
	2 10/21 – 10/25	<ul style="list-style-type: none"> Lesson 4-7 : Multiply Rational Numbers Lesson 4-8 : Divide Integers Lesson 4-9 : Divide Rational Numbers Lesson 4-10 : Solve Problems with Rational Numbers ACT 3: Mathematical Modeling: Win Some, Lose Some 	Multiplying Rational Numbers – Khan Academy Dividing Integers – Khan Academy Dividing Rational Numbers – Khan Academy Solve Problems With Rational Numbers – Khan Academy
	3 10/28 – 11/1	<ul style="list-style-type: none"> Review Assessment Lesson 5-1 : Understand Equations and Solutions 	Introduction to equations – Khan Academy
	4 11/4 – 11/8	<ul style="list-style-type: none"> Lesson 5-2 : Apply Properties of Equality Lesson 5-3 : Write and Solve Addition and Subtraction Equations Lesson 5-4 : Write and Solve Multiplication and Division Equations Lesson 5-5: Write and Solve Equations with Rational Numbers Lesson 5-6 : Understand and Write Inequalities 	Write and Solve Addition and Subtraction Equations – Khan Academy Write and Solve Multiplication and Division Equations – Khan Academy Introduction to Inequalities With Variables – Khan Academy
	5 11/12 – 11/15	<ul style="list-style-type: none"> Veterans Day (11/11) Lesson 5-7 : Solve Inequalities 3 ACT: Mathematical Modeling : Checking a Bag Lesson 5-8: Understand Dependent and Independent Variables Lesson 5-9: Use Patterns to Write and Solve Equations 	Solving Inequalities – Khan Academy Dependent and Independent Variables – Khan Academy Number Patterns – Khan Academy
	6 11/18 – 11/22	<ul style="list-style-type: none"> Lesson 5-10 : Relate Tables, Graphs, and Equations Review Assessment Lesson 6-1: Understand Ratios 	Relate Data Tables, Graphs, and Equations – Khan Academy Introduction to Ratios – Khan Academy
	7 11/25 – 11/26	<ul style="list-style-type: none"> Lesson 6-2: Generate Equivalent Ratios Lesson 6-3 : Compare Ratios Thanksgiving Holiday 11/27 - 11/29 	Equivalent Ratios – Khan Academy Ratio Review – Khan Academy

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	8 12/2 – 12/6	<ul style="list-style-type: none"> • Lesson 6-4 : Represent and Graph Ratios • Lesson 6-5 : Understand Rates and Unit Rates • Lesson 6-6 : Compare Unit Rates • Lesson 6-7: Solve Unit Rate Problems • ACT 3 : Mathematical Modeling 	Visualize Ratios – Khan Academy Introduction to Rates – Khan Academy Solving Unit Rate Problem – Khan Academy
	9 12/9 – 12/13	<ul style="list-style-type: none"> • Lesson 6-8 : Ratio Reasoning: Convert Customary Units • Lesson 6-9: Ratio Reasoning : Convert Metric Units • Review 	U.S. Customary and Metric Units – Khan Academy
	10 12/16 – 12/20	<ul style="list-style-type: none"> • Review • Assessment 	

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Quarter 3 Jan 6 – Mar 12	1 1/6– 1/10	<ul style="list-style-type: none"> Lesson 7-1: Connect Ratios, Rates, and Unit Rates Lesson 7-2: Determine Unit Rates with Ratios of Fractions Lesson 7-3: Understand Proportional Relationships: Equivalent Ratios Lesson 7-4: Describe Proportional Relationships; Constant of Proportionality 3-ACT: Mathematic Modeling Lesson 	Connect Ratios, Rates, and Unit Rates – Khan Academy Constant of Proportionality – Khan Academy
	2 1/13 – 1/17	<ul style="list-style-type: none"> Lesson 7-5: Graph Proportional Relationships Lesson 7-6: Apply Proportional Reasoning to Solve Problems Review and Assess Topic 7 	Determine Constant of Proportionality Graphically – Khan Academy
	3 1/21 – 1/24	<ul style="list-style-type: none"> Martin Luther King Jr. Holiday 1/20 Lesson 8-1: Understanding Percent Lesson 8-2: Relate Fractions, Decimals, and Percents Lesson 8-3: Represent Percents greater than 100 or less than 1 Lesson 8-4: Estimate to Find Percent 	Understanding Percent – Khan Academy Percent, Fractions, and Decimals – Khan Academy
	4 1/27 – 1/30	<ul style="list-style-type: none"> Lesson 8-5: Find the Percent of a Number Lesson 8-6: Find the Whole Given a Part and the Percent 3-ACT: Mathematic Modeling Lesson Teacher Inservice 1/31 	Solving Percent Problems – Khan Academy
	5 2/3 – 2/7	<ul style="list-style-type: none"> Review and Assess Topic 8 Topic 9-1: Analyze Percents of Numbers Topic 9-2: Connect Percent and Proportion 	Percent, Fraction, and Decimal Connection – Khan Academy
	6 2/10 – 2/14	<ul style="list-style-type: none"> Topic 9-3: Represent and Use the Percent Equation Topic 9-4: Solve Percent Change and Percent Error Problems 3-ACT: Mathematic Modeling Lesson Topic 9-5: Solve Markup and Markdown Problems Topic 9-6: Solve Simple Interest Problems 	Represent and Use Percent Equation – Khan Academy Solve Percent Change Problems – Khan Academy Solve Markup and Markdown Problems – Khan Academy Solve Simple Interest Problems – Khan Academy
	7 2/17 – 2/21	<ul style="list-style-type: none"> Presidents Day Holiday 2/17 Review and Assess Topic 9 	

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	8 2/24 – 2/28	<ul style="list-style-type: none"> • Review and Assess Topic 9 • Topic 10-1: Write and Evaluate Algebraic Expressions • Topic 10-2: Generate Equivalent Expressions • Topic 10-3: Simplify Expressions • Topic 10-4 Expand Expressions 	Writing Algebraic Expressions – Khan Academy Evaluating Algebraic Expressions – Khan Academy Equivalent Expressions – Khan Academy Simplifying Algebraic Expressions – Khan Academy
	9 3/2 – 3/6	<ul style="list-style-type: none"> • Topic 10-5: Factor Expressions • 3-ACT: Mathematic Modeling Lesson • Topic 10-6: Add Expressions • Topic 10-7: Subtract Expressions • Topic 10-8: Analyze Equivalent Expressions 	Simplifying expressions Add/Subtract – Khan Academy Analyze Equivalent Expressions – Khan Academy
	10 3/9 – 3/12	<ul style="list-style-type: none"> • Review and Assess Topic 10 • 3/13-Teacher Planning Day 	

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Quarter 4 Mar 23 – May 27	1 3/16 – 3/20	<ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL 	
	2 3/23 – 3/27	<ul style="list-style-type: none"> • Review and Assess Topic 10 • Topic 11-1: Find the Areas of Parallelograms and Rhombuses • Topic 11-2: Solve Triangle Area Problems • Topic 11-3: Find areas of Trapezoids and Kites 	Area of Parallelograms – Khan Academy Area of Triangles– Khan Academy
	3 3/30 – 4/3	<ul style="list-style-type: none"> • Topic 11-4: Find Areas of Polygons • Topic 11-5: Represent Solid Figures Using Nets • 3-ACT: Mathematic Modeling Lesson • Topic 11-6: Find Surface Area of Prisms • Topic 11-7: Find Surface Areas of Pyramids 	Area of Polygons – Khan Academy Nets and Surface Area – Khan Academy
	4 4/6 – 4/9	<ul style="list-style-type: none"> • Topic 11-8: Find Volume with Fractional Edge Lengths • Review and Assess Topic 11 • Holiday 4/10 	Volume – Khan Academy
	5 4/14 – 4/17	<ul style="list-style-type: none"> • Holiday 4/13 • Review and Assess Topic 11 • Topic 12-1: Recognize Statistical Questions • Topic 12-2: Summarize Data Using Mean, Median, Mode, and Range 	Statistical Questions – Khan Academy Mean, Median, Mode– Khan Academy
	6 4/20 – 4/24	<ul style="list-style-type: none"> • Topic 12-3: Display Data in Box Plots • Topic 12-4: Display Data in Frequency Tables and Histograms • Topic 12-5: Summarize Data Using Measures of Variability • Topic 12-6: Choose Appropriate Statistical Measures • Topic 12-7: Summarize Data Distributions 	Dot Plots and Distribution– Khan Academy Box Plots – Khan Academy Histograms – Khan Academy Measures of Variability– Khan Academy Describing Data – Khan Academy
	7 4/27 – 5/1	<ul style="list-style-type: none"> • 3-ACT: Mathematic Modeling Lesson • Review and Assess Module 12 • Standards Review 	

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	8 5/4 – 5/8	<ul style="list-style-type: none">Standards Review	
	9 5/11 – 5/15	<ul style="list-style-type: none">Standards Review	
	10 5/18 – 5/22	<ul style="list-style-type: none">Standards Review	
	11 5/25 – 5/27	<ul style="list-style-type: none">Standards Review5/27 – Last Day for Students	

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