

**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](#) (6<sup>th</sup> Grade; does not support Internet Explorer)

[Illustrative Mathematics](#) (6<sup>th</sup> 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](#)

[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 31 - Oct 30	1 8/31 – 9/4	<ul style="list-style-type: none"> <li>Lesson 1-1 : Fluently Add, Subtract and Multiply decimals</li> <li>Lesson 1-2 : Fluently Divide Whole Numbers and Decimals</li> <li>Lesson 1-3 : Fluently Multiply Fractions</li> </ul>	Dividing Whole Numbers – <a href="#">Khan Academy</a> Dividing to get Decimals – <a href="#">Khan Academy</a> Adding Decimals - <a href="#">Khan Academy</a> Subtracting Decimals - <a href="#">Khan Academy</a> Multiplying Decimals - <a href="#">Khan Academy</a>
	2 9/7 – 9/11	<ul style="list-style-type: none"> <li>Labor Day Holiday – 9/7</li> <li>Lesson 1-4 : Understand Division with Fractions</li> <li>Lesson 1-5 : Divide Fractions by Fractions</li> <li>Lesson 1-6 : Divide Mixed Numbers</li> </ul>	Understand Division of Fractions - <a href="#">Khan Academy</a> Divide Fractions by Fractions - <a href="#">Khan Academy</a> Divide Mixed Numbers - <a href="#">Khan Academy</a>
	3 9/14 – 9/18	<ul style="list-style-type: none"> <li>Lesson 1-7 : Solve Problems with Rational Numbers</li> <li>Remediation/Review</li> <li>Assessment</li> </ul>	Rational Numbers Unit - <a href="#">Khan Academy</a>
	4 9/21 – 9/25	<ul style="list-style-type: none"> <li>Lesson 2-1 : Understand Integers</li> <li>Lesson 2-2 : Represent Rational Numbers on the Number Line</li> <li>Lesson 2-3 : Absolute Values of Rational Numbers</li> </ul>	Integers and Opposites - <a href="#">Khan Academy</a> Rational Numbers and Number Lines - <a href="#">Khan Academy</a> Interpreting Absolute Value - <a href="#">Khan Academy</a>
	5 9/28 – 10/2	<ul style="list-style-type: none"> <li>Lesson 2-4 : Represent Rational Numbers on the Coordinate Plane</li> <li>Lesson 2-5: Find the Distances on the Coordinate Plane</li> <li>Lesson 2-6: Represent Polygons on the Coordinate Plane</li> </ul>	Understanding Coordinate Planes - <a href="#">Khan Academy</a> Graphing on the Coordinate Plane – <a href="#">Khan Academy</a> Creating Polygons on Coordinate Planes - <a href="#">Khan Academy</a>
	6 10/5 – 10/9	<ul style="list-style-type: none"> <li>Remediation/Review</li> <li>Assessment</li> <li>Lesson 3-1 : Understand and Represent Exponents</li> <li>Lesson 3-2 : Find Greatest Common Factor and Least Common Multiple</li> </ul>	Introduction to Exponents - <a href="#">Khan Academy</a> Greatest Common Factor – <a href="#">Khan Academy</a> Least Common Multiple – <a href="#">Khan Academy</a>
	7 10/12 – 10/16	<ul style="list-style-type: none"> <li>Lesson 3-3 : Write and Evaluate Numerical Expressions</li> <li>Lesson 3-4: Write Algebraic Expressions</li> <li>Lesson 3-5 : Evaluate Algebraic Expressions</li> </ul>	Writing Expressions – <a href="#">Khan Academy</a> Evaluating Expressions – <a href="#">Khan Academy</a> A Guide to Algebraic Expressions - <a href="#">Khan Academy</a>

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	8 10/19 – 10/23	<ul style="list-style-type: none"> <li>• Lesson 3-6 : Generate Equivalent Expressions</li> <li>• Lesson 3-7 : Simplify Algebraic Expressions</li> <li>• Remediation/Review</li> <li>• Assessment</li> </ul>	Equivalent Expressions – <a href="#">Khan Academy</a> Simplify Algebraic Expressions – <a href="#">Khan Academy</a>
	9 10/26 – 10/30	<ul style="list-style-type: none"> <li>• Lesson 4-1: Relate Integers and Their Opposites</li> <li>• Lesson 4-2 : Understand Rational Numbers</li> <li>• Lesson 4-3: Add Integers</li> <li>• Lesson 4-4: Subtract Integers</li> </ul>	Integers and Opposites - <a href="#">Khan Academy</a> Rational Numbers Unit - <a href="#">Khan Academy</a> Adding Integers – <a href="#">Khan Academy</a> Subtracting Integers – <a href="#">Khan Academy</a>

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	Week	Major Concepts / Topics	Possible Resources
Quarter 2 Nov 2 - Jan 25*	1 11/2 – 11/6	<ul style="list-style-type: none"> <li>Teacher Planning Day 11/3</li> <li>Lesson 4-5 : Add and Subtract Rational Numbers</li> <li>Lesson 4-6 : Multiply Integers</li> <li>Lesson 4-7 : Multiply Rational Numbers</li> <li>Lesson 4-8 : Divide Integers</li> </ul>	Add/Subtract Rational Numbers – <a href="#">Khan Academy</a> Multiplying Integers – <a href="#">Khan Academy</a> Multiplying Rational Numbers – <a href="#">Khan Academy</a> Dividing Integers – <a href="#">Khan Academy</a>
	2 11/9 – 11/13	<ul style="list-style-type: none"> <li>Veterans Day 11/11</li> <li>Lesson 4-9 : Divide Rational Numbers</li> <li>Lesson 4-10 : Solve Problems with Rational Numbers</li> <li>Remediation/Review</li> <li>Assessment</li> <li>Lesson 5-1 : Understand Equations and Solutions</li> </ul>	Solve Problems With Rational Numbers – <a href="#">Khan Academy</a>  Introduction to equations – <a href="#">Khan Academy</a>
	3 11/16 – 11/20	<ul style="list-style-type: none"> <li>Lesson 5-2 : Apply Properties of Equality</li> <li>Lesson 5-3 : Write and Solve Addition and Subtraction Equations</li> <li>Lesson 5-4 : Write and Solve Multiplication and Division Equations</li> <li>Lesson 5-5: Write and Solve Equations with Rational Numbers</li> </ul>	Balancing Both Sides - <a href="#">Khan Academy</a> Write and Solve One-Step Addition & Subtraction Equations - <a href="#">Khan Academy</a> One step Multiplication Equations - <a href="#">Khan Academy</a> One Step Division Equations - <a href="#">Khan Academy</a> One step multiplication and division equations: fractions and decimals - <a href="#">Khan Academy</a>
	4 11/23 – 11/27	<ul style="list-style-type: none"> <li>Lesson 5-6 : Understand and Write Inequalities</li> <li>Lesson 5-7 : Solve Inequalities</li> <li>Thanksgiving Holiday 11/25 - 11/27</li> </ul>	Plotting Inequalities on a Number Line - <a href="#">Khan Academy</a> One step Inequalities with addition - <a href="#">Khan Academy</a> Testing solutions to Inequalities - <a href="#">Khan Academy</a> Solving Inequalities word problems - <a href="#">Khan Academy</a>
	5 11/30 – 12/4	<ul style="list-style-type: none"> <li>Lesson 5-8: Understand Dependent and Independent Variables</li> <li>Lesson 5-9: Use Patterns to Write and Solve Equations</li> <li>Lesson 5-10 : Relate Tables, Graphs, and Equations</li> </ul>	Dependent and Independent Variables – <a href="#">Khan Academy</a> Number Patterns – <a href="#">Khan Academy</a> Modeling with tables, graphs and equations - <a href="#">Khan Academy</a>
	6 12/7 – 12/11	<ul style="list-style-type: none"> <li>Remediation/Review</li> <li>Assessment</li> <li>Lesson 6-1: Understand Ratios</li> <li>Lesson 6-2: Generate Equivalent Ratios</li> </ul>	Introduction to Ratios – <a href="#">Khan Academy</a> Equivalent Ratios - <a href="#">Khan Academy</a>
	7 12/14 – 12/18	<ul style="list-style-type: none"> <li>Lesson 6-3 : Compare Ratios</li> <li>Lesson 6-4 : Represent and Graph Ratios</li> </ul>	Ratios and double number lines - <a href="#">Khan Academy</a> Solving Ratio Problems with Graphs - <a href="#">Khan Academy</a>

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		<ul style="list-style-type: none"> <li>Lesson 6-5 : Understand Rates and Unit Rates</li> <li>Winter Break 12/21 – 1/1</li> </ul>	Introduction to Rates - <a href="#">Khan Academy</a>
8 1/4 – 1/8	<ul style="list-style-type: none"> <li>Lesson 6-6 : Compare Unit Rates</li> <li>Lesson 6-7: Solve Unit Rate Problems</li> <li>Lesson 6-8 : Ratio Reasoning: Convert Customary Units</li> </ul>	<ul style="list-style-type: none"> <li>Remediation</li> <li>Review</li> </ul>	Comparing Rates - <a href="#">Khan Academy</a> Solving Unit Rate Problems - <a href="#">Khan Academy</a> Ratios in the Real World Practice - <a href="#">Khan Academ</a>
9 1/11 – 1/15	<ul style="list-style-type: none"> <li>Martin Luther King Jr. Holiday 1/18</li> <li>Semester 1 Standards Review</li> <li>*Second Quarter/First Semester Ends – Monday, January 25, 2021</li> </ul>		
10 1/18 – 1/22*			

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Quarter 3 Jan 26 – Apr 8	1 1/25* – 1/29	<ul style="list-style-type: none"> <li>Remediation</li> <li>Review</li> <li>Assessment</li> <li>Teacher Planning Day 1/29</li> </ul>	
	2 2/1 – 2/5	<ul style="list-style-type: none"> <li>Lesson 7-1: Connect Ratios, Rates, and Unit Rates</li> <li>Lesson 7-2: Determine Unit Rates with Ratios of Fractions</li> <li>Lesson 7-3: Understand Proportional Relationships: Equivalent Ratios</li> <li>Lesson 7-4: Describe Proportional Relationships; Constant of Proportionality</li> </ul>	Ratios as Fractions - <a href="#">Khan Academy</a> Constant of Proportionality – <a href="#">Khan Academy</a> Determine Constant of Proportionality Graphically – <a href="#">Khan Academy</a>
	3 2/8 – 2/12	<ul style="list-style-type: none"> <li>Lesson 7-5: Graph Proportional Relationships</li> <li>Lesson 7-6: Apply Proportional Reasoning to Solve Problems</li> <li>Remediation/Review</li> </ul>	Graphing Proportional Relationships - <a href="#">Khan Academy</a> Solving Ratio Problems with a Graph - <a href="#">Khan Academy</a>
	4 2/15 – 2/19	<ul style="list-style-type: none"> <li>Presidents Day Holiday 2/15</li> <li>Assessment</li> <li>Lesson 8-1: Understanding Percent</li> <li>Lesson 8-2: Relate Fractions, Decimals, and Percents</li> <li>Lesson 8-3: Represent Percents greater than 100 or less than 1</li> </ul>	Understanding Percents - <a href="#">Khan Academy</a> Ratios, Rates, and Percentages Unit - <a href="#">Khan Academy</a> Percents, Fractions, and Decimals - <a href="#">Khan Academy</a> Percent over 100 - <a href="#">Khan Academy</a>
	5 2/22 – 2/26	<ul style="list-style-type: none"> <li>Lesson 8-4: Estimate to Find Percent</li> <li>Lesson 8-5: Find the Percent of a Number</li> <li>Lesson 8-6: Find the Whole Given a Part and the Percent</li> </ul>	Solving Percent Problems - <a href="#">Khan Academy</a> Part-Part-Whole Ratio Practice - <a href="#">Khan Academy</a> Part - Whole Ratio Word Problems - <a href="#">Khan Academy</a>
	6 3/1 – 3/5	<ul style="list-style-type: none"> <li>Remediation/Review</li> <li>Assessment</li> <li>Topic 9-1: Analyze Percents of Numbers</li> <li>Topic 9-2: Connect Percent and Proportion</li> </ul>	Solving Percents using Proportions - <a href="#">Khan Academy</a>
	7 3/8 – 3/12	<ul style="list-style-type: none"> <li>Topic 9-3: Represent and Use the Percent Equation</li> <li>Topic 9-4: Solve Percent Change and Percent Error Problems</li> <li>Topic 9-5: Solve Markup and Markdown Problems</li> </ul>	Solve Percent Change Problems – <a href="#">Khan Academy</a> Solve Markup and Markdown Problems – <a href="#">Khan Academy</a>
	8	<ul style="list-style-type: none"> <li>Topic 9-6: Solve Simple Interest Problems</li> </ul>	Solve Simple Interest Problems – <a href="#">Khan Academy</a>

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	3/15 – 3/19	<ul style="list-style-type: none"> <li>• Remediation/Review</li> <li>• Spring Break 3/17 – 3/19</li> </ul>	
	9 3/22 – 3/26	<ul style="list-style-type: none"> <li>• Assessment</li> <li>• Topic 10-1: Write and Evaluate Algebraic Expressions</li> <li>• Topic 10-2: Generate Equivalent Expressions</li> <li>• Topic 10-3: Simplify Expressions</li> </ul>	Writing Algebraic Expressions – <a href="#">Khan Academy</a> Evaluating Algebraic Expressions – <a href="#">Khan Academy</a> Equivalent Expressions – <a href="#">Khan Academy</a>
	10 3/29 – 4/2	<ul style="list-style-type: none"> <li>• Topic 10-4 Expand Expressions</li> <li>• Topic 10-5: Factor Expressions</li> <li>• Holiday 4/2</li> </ul>	Combining Like Terms – <a href="#">Khan Academy</a> Factoring with the Distributive Property - <a href="#">Khan Academy</a>
	11 4/5 – 4/9	<ul style="list-style-type: none"> <li>• Topic 10-6: Add Expressions</li> <li>• Teacher Planning Day 4/9</li> </ul>	Simplifying expressions Add/Subtract – <a href="#">Khan Academy</a>

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Quarter 4 Apr 12 – Jun 10	1 4/12 – 4/16	<ul style="list-style-type: none"> <li>Topic 10-7: Subtract Expressions</li> <li>Topic 10-8: Analyze Equivalent Expressions</li> <li>Remediation/Review</li> <li>Assessment</li> </ul>	Simplifying expressions Add/Subtract – <a href="#">Khan Academy</a> Analyze Equivalent Expressions – <a href="#">Khan Academy</a>
	2 4/19 – 4/23	<ul style="list-style-type: none"> <li>Topic 11-1: Find the Areas of Parallelograms and Rhombuses</li> <li>Topic 11-2: Solve Triangle Area Problems</li> <li>Topic 11-3: Find areas of Trapezoids and Kites</li> </ul>	Area of Parallelograms – <a href="#">Khan Academy</a> Area of Triangles– <a href="#">Khan Academy</a> Area of Polygons – <a href="#">Khan Academy</a>
	3 4/26 – 4/30	<ul style="list-style-type: none"> <li>Topic 11-4: Find Areas of Polygons</li> <li>Topic 11-5: Represent Solid Figures Using Nets</li> <li>Topic 11-6: Find Surface Area of Prisms</li> </ul>	Area of Composite Figures - <a href="#">Khan Academy</a> Nets and Surface Area - <a href="#">Khan Academy</a> Find Surface Area using a net - <a href="#">Khan Academy</a>
	4 5/3 – 5/7 May 3 - FSA Testing Window Opens	<ul style="list-style-type: none"> <li>Topic 11-7: Find Surface Areas of Pyramids</li> <li>Topic 11-8: Find Volume with Fractional Edge Lengths</li> <li>Remediation/Review</li> <li>Assessment</li> </ul>	Volume with Fractional Cubes - <a href="#">Khan Academy</a> Volume – <a href="#">Khan Academy</a>
	5 5/10 – 5/14	<ul style="list-style-type: none"> <li>Topic 12-1: Recognize Statistical Questions</li> <li>Topic 12-2: Summarize Data Using Mean, Median, Mode, and Range</li> <li>Topic 12-3: Display Data in Box Plots</li> <li>Topic 12-4: Display Data in Frequency Tables and Histograms</li> </ul>	Statistical Questions - <a href="#">Khan Academy</a> Mean, Median, Mode - <a href="#">Khan Academy</a> Ways to Represent Data – <a href="#">Khan Academy</a> Reading Box Plots - <a href="#">Khan Academy</a> Constructing Box Plots - <a href="#">Khan Academy</a> Histograms - <a href="#">Khan Academy</a>
	6 5/17 – 5/21	<ul style="list-style-type: none"> <li>Topic 12-5: Summarize Data Using Measures of Variability</li> <li>Topic 12-6: Choose Appropriate Statistical Measures</li> <li>Topic 12-7: Summarize Data Distributions</li> <li>Remediation/Review</li> <li>Assessment</li> </ul>	MAD– <a href="#">Khan Academy</a> Shapes of Distribution – <a href="#">Khan Academy</a> Comparing Dot Plots, Histogram, and Box Plots - <a href="#">Khan Academy</a>
	7 5/24 – 5/28	<ul style="list-style-type: none"> <li>Standards Review</li> </ul>	
	8 5/31 – 6/4	<ul style="list-style-type: none"> <li>Memorial Day Holiday 5/31</li> <li>Standards Review</li> </ul>	

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	9 6/7 – 6/10	<ul style="list-style-type: none"><li>Standards Review</li></ul>	
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