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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)

Illustrative Mathematics (6th 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
Quarter 1  
Aug 31 - Oct 30

<table>
<thead>
<tr>
<th>Week</th>
<th>Major Concepts / Topics</th>
<th>Possible Resources</th>
</tr>
</thead>
</table>
| 1 8/31 – 9/4 | • Lesson 1.1 – Add, Subtract and Multiply Decimals  
• Lesson 1.2 – Divide Whole Numbers and Decimals | Dividing Whole Numbers – Khan Academy  
Dividing to get Decimals – Khan Academy  
Adding Decimals - Khan Academy  
Subtracting Decimals - Khan Academy  
Multiplying Decimals - Khan Academy |
| 2 9/7 – 9/11 | • Labor Day Holiday – 9/7  
• Lesson 1.3 – Multiply Fractions  
• Lesson 1.4 – Understand Division of Fractions | Multiply Fractions - Khan Academy (5.NF.B.4)  
Understand Division of Fractions - Khan Academy |
| 3 9/14 – 9/18 | • Lesson 1.5 – Divide Fractions by Fractions  
• Lesson 1.6 – Divide Mixed Numbers | Divide Fractions by Fractions - Khan Academy  
Divide Mixed Numbers - Khan Academy |
| 4 9/21 – 9/25 | • Lesson 1.7 – Solve Problems with Rational Numbers  
• Remediation  
• Review | Rational Numbers Unit - Khan Academy |
| 5 9/28 – 10/2 | • Assessment  
• Lesson 2.1 – Understand Integers | Integers and Opposites - Khan Academy |
| 6 10/5 – 10/9 | • Lesson 2.2 – Represent Rational Numbers on the Number Line  
• Lesson 2.3 – Absolute Values of Rational Numbers | Rational Numbers and Number Lines - Khan Academy  
Interpreting Absolute Value - Khan Academy |
| 7 10/12 – 10/16 | • Lesson 2.4 – Represent Rational Numbers on the Coordinate Plane  
• Lesson 2.5 – Find Distances on the Coordinate Plane | Understanding Coordinate Planes - Khan Academy  
Graphing on the Coordinate Plane – Khan Academy |
| 8 10/19 – 10/23 | • Lesson 2.6 – Represent Polygons on the Coordinate Plane  
• Remediate  
• Review  
• Assess | Creating Polygons on Coordinate Planes - Khan Academy |
| 9 10/26 – 10/30 | • Lesson 3.1 - Understand and Represent Exponents  
• Lesson 3.2 - Find GCF and LCM | Introduction to Exponents - Khan Academy  
LCM – Khan Academy  
GCF – Khan Academy  
GCF and LCM word problems - Khan Academy |
## Quarter 2
Nov 2 - Jan 25*

<table>
<thead>
<tr>
<th>Week</th>
<th>Major Concepts / Topics</th>
<th>Possible Resources</th>
</tr>
</thead>
</table>
| 1    | 11/2 – 11/6  
  - Teacher Planning Day 11/3  
  - Lesson 3.3 – Write and Evaluate Numerical Expressions  
  - Lesson 3.4 – Write Algebraic Expressions | Constructing Numerical Expressions - [Khan Academy](https://www.khanacademy.org)  
(5.OA.A.1/2)  
Write Algebraic Expressions – [Khan Academy](https://www.khanacademy.org) |
| 2    | 11/9 – 11/13  
  - Veterans Day 11/11  
  - Lesson 3.5 – Evaluate Algebraic Expressions  
  - Lesson 3.6 – Generate Equivalent Expressions | A Guide to Algebraic Expressions - [Khan Academy](https://www.khanacademy.org)  
Evaluate Algebraic Expressions – [Khan Academy](https://www.khanacademy.org)  
Equivalent Expressions – [Khan Academy](https://www.khanacademy.org) |
| 3    | 11/16 – 11/20  
  - Lesson 3.7 – Simplify Algebraic Expressions  
  - Remediate  
  - Review  
  - Assess | Simplify Algebraic Expressions – [Khan Academy](https://www.khanacademy.org) |
| 4    | 11/23 – 11/27  
  - Lesson 5.1 – Understand Equations and Solutions  
  - Thanksgiving Holiday 11/25 - 11/27 | Representing a Relationship with an Equation - [Khan Academy](https://www.khanacademy.org) |
| 5    | 11/30 – 12/4  
  - Lesson 5.2 – Apply Properties of Equality  
  - Lesson 5.3 – Write and Solve Addition and Subtraction Equations | Balancing Both Sides - [Khan Academy](https://www.khanacademy.org)  
Write and Solve One-Step Addition & Subtraction Equations - [Khan Academy](https://www.khanacademy.org) |
| 6    | 12/7 – 12/11  
  - Lesson 5.4 – Write and Solve Multiplication and Division Equations  
  - Lesson 5.5 – Write and Solve Equations with Rational Numbers | One step Multiplication Equations - [Khan Academy](https://www.khanacademy.org)  
One Step Division Equations - [Khan Academy](https://www.khanacademy.org)  
One step multiplication and division equations: fractions and decimals - [Khan Academy](https://www.khanacademy.org) |
| 7    | 12/14 – 12/18  
  - Lesson 5.6 – Understand and Write Inequalities  
  - Lesson 5.7 – Solve Inequalities  
  - Winter Break 12/21 – 1/1 | Plotting Inequalities on a Number Line - [Khan Academy](https://www.khanacademy.org)  
One step inequalities with addition - [Khan Academy](https://www.khanacademy.org)  
Testing solutions to Inequalities - [Khan Academy](https://www.khanacademy.org)  
Solving Inequalities word problems - [Khan Academy](https://www.khanacademy.org) |
| 8    | 1/4 – 1/8  
  - Lesson 5.8 – Understand Dependent and Independent Variables  
  - Lesson 5.9 – Use Patterns to Write and Solve Equations | Introduction to Understanding Dependent & Independent Variables - [Khan Academy](https://www.khanacademy.org) |
| 9    | 1/11 – 1/15  
  - Lesson 5.10 – Relate Tables, Graphs, and Equations  
  - Remediate  
  - Review  
  - Assess | Modeling with tables, graphs and equations - [Khan Academy](https://www.khanacademy.org) |

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<tr>
<th>10</th>
<th>1/18 – 1/22*</th>
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<tbody>
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<td></td>
<td>• Martin Luther King Jr. Holiday 1/18</td>
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<td></td>
<td>• Semester 1 Standards Review</td>
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<td></td>
<td>• *Second Quarter/First Semester Ends – Monday, January 25, 2021</td>
</tr>
<tr>
<td>Week</td>
<td>Major Concepts / Topics</td>
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<tr>
<td>1</td>
<td>1/25* – 1/29</td>
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<tr>
<td></td>
<td>Teacher Planning Day 1/29</td>
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<td>Lesson 6.1 – Understand Ratios</td>
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<td>Lesson 6.2 – Generate Equivalent Ratios</td>
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<td>2/1 – 2/5</td>
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<td>Lesson 6.3 – Compare Ratios</td>
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<td>Lesson 6.4 – Represent and Graph Ratios</td>
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<td>2/8 – 2/12</td>
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<tr>
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<td>Lesson 6.5 – Understand Rates and Unit Rates</td>
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<td>Lesson 6.6 – Compare Unit Rates</td>
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<td>Presidents Day Holiday 2/15</td>
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<td>Lesson 6.7 – Solve Unit Rate Problems</td>
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<td>Remediate</td>
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<td>Review</td>
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<td>Assess</td>
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<td>6</td>
<td>3/1 – 3/5</td>
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<td>Lesson 8.1 – Understand Percent</td>
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<td>Lesson 8.2 – Relate Fractions, Decimals, and Percents</td>
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<td>7</td>
<td>3/8 – 3/12</td>
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<tr>
<td></td>
<td>Lesson 8.3 – Represent Percents Greater Than 100 or Less Than 1</td>
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<td>Lesson 8.4 – Estimate to Find Percent</td>
</tr>
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<td>Lesson 8.5 – Find the Percent of a Number</td>
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<td>3/15 – 3/19</td>
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<td>Spring Break 3/17 – 3/19</td>
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<td>Lesson 8.6 – Find a Whole Given a Part and a Percent</td>
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<td>9</td>
<td>3/22 – 3/26</td>
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<td></td>
<td>Remediate</td>
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<td>Review</td>
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<td>Assess</td>
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<tr>
<td>10</td>
<td>3/29 – 4/2</td>
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<td>Holiday 4/2</td>
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<tr>
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<td>Lesson 11.1 – Find Areas of Parallelograms and Rhombuses</td>
</tr>
<tr>
<td></td>
<td>Lesson 11.2 – Solve Triangle Area Problems</td>
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<tr>
<td>11</td>
<td>4/5 – 4/9</td>
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<tr>
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<td>Teacher Planning Day 4/9</td>
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<tr>
<td></td>
<td>Lesson 11.3 – Find Areas of Trapezoids and Kites</td>
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<tr>
<td></td>
<td>Lesson 11.4 – Find Areas of Polygons</td>
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</tbody>
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### Quarter 4
#### Apr 12 – Jun 10

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<thead>
<tr>
<th>Week</th>
<th>Major Concepts / Topics</th>
<th>Possible Resources</th>
</tr>
</thead>
</table>
| 1    | 4/12 – 4/16  
• Lesson 11.5 – Represent Solid Figures Using Nets  
• Lesson 11.6 – Find Surface Areas of Prisms |  
Nets and Surface Area - Khan Academy  
Find Surface Area using a net - Khan Academy |
| 2    | 4/19 – 4/23  
• Lesson 11.7 – Find Surface Area of Pyramids  
• Lesson 11.8 - Find Volume with Fractional Edge Lengths |  
Surface Area of a box - Khan Academy  
Volume with Fractional Cubes - Khan Academy |
| 3    | 4/26 – 4/30  
• Remediate  
• Review  
• Assess |  |
| 4    | 5/3 – 5/7  
May 3 - FSA Testing Window Opens  
• Lesson 12.1 – Recognize Statistical Questions  
• Lesson 12.2 – Summarize Data Using Mean, Median, Mode and Range  
• Lesson 12.3 – Display Data in Box Plots |  
Statistical Questions - Khan Academy  
Mean, Median, Mode - Khan Academy  
Reading Box Plots - Khan Academy  
Constructing Box Plots - Khan Academy |
| 5    | 5/10 – 5/14  
• Lesson 12.4 – Display Data in Frequency Tables and Histograms  
• Lesson 12.5 – Summarize Data Using Measures of Variability  
• Lesson 12.6 – Choose Appropriate Statistical Measures |  
Histograms - Khan Academy  
MAD - Khan Academy  
Shapes of Distribution - Khan Academy  
Comparing Dot Plots, Histogram, and Box Plots - Khan Academy |
| 6    | 5/17 – 5/21  
• Lesson 12.7 – Summarize Data Distributions  
• Remediate  
• Review  
• Assess |  |
| 7    | 5/24 – 5/28  
• Standards Review |  |
| 8    | 5/31 – 6/4  
• Memorial Day Holiday 5/31  
• Standards Review |  |
| 9    | 6/7 – 6/10  
• Standards Review |  |

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