Please Note:

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Publisher Resource:

Go Math (use student Active Directory)

Other Course Supplemental Resources:

IXL Math – Grade 8 Standards

Khan Academy
  • Grade 8 - Pre-Algebra

Math Nation (use Active Directory)

FSA Practice: (Please Note: these links work best in Firefox or Chrome)

Grade 8 Pre-Algebra FSA Mathematics Computer-Based PRACTICE TEST
  Grade 8 Pre-Algebra FSA Mathematics Computer-Based PRACTICE TEST ANSWER KEY

Mathematics Practice Tests – PARCC (Partnership for Assessment of Readiness for College and Careers)
  Mathematics Answer Keys – PARCC

Mathematics Practice Tests – Smarter Balanced Assessment Consortium
  Mathematics Practice Tests - Scoring Guides - Smarter Balanced

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### Grade 8 Mathematics – Pre-Algebra

2017 – 2018

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<td><strong>Unit 0</strong>&lt;br&gt;Prerequisite Skills - May include long division, operations with integers, solving linear equations.</td>
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<td>8/14 – 8/18</td>
<td><strong>Unit 1 - Real Numbers, Exponents, and Scientific Notation</strong>&lt;br&gt;Module 1 - Real Numbers - Lesson 1.1 Rational and Irrational Numbers&lt;br&gt;Module 1 - Lesson 1.2 Sets of Real Numbers&lt;br&gt;Lesson 1.3 - Ordering Real Numbers</td>
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<td>8/21 – 8/25</td>
<td><strong>Unit 1 - Real Numbers, Exponents, and Scientific Notation</strong>&lt;br&gt;Module 1 - Lesson 1.3 - Ordering Real Numbers&lt;br&gt;Assessment&lt;br&gt;Module 2 - Exponents and Scientific Notation - Lesson 2.1 Integer Exponents</td>
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<td>8/28 – 9/1</td>
<td><strong>Unit 1 - Real Numbers, Exponents, and Scientific Notation</strong>&lt;br&gt;Module 2 - Lesson 2.1 - Integer Exponents&lt;br&gt;Lesson 2.2 Scientific Notation with Positive Powers of 10</td>
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<tr>
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<td>9/5 – 9/8</td>
<td><strong>Unit 1 - Real Numbers, Exponents, and Scientific Notation</strong>&lt;br&gt;Module 2 - Lesson 2.3 - Scientific Notation with Negative Powers of 10&lt;br&gt;Lesson 2.4 - Operations with Scientific Notation</td>
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<td>9/11 – 9/15</td>
<td><strong>Unit 1 - Real Numbers, Exponents, and Scientific Notation</strong>&lt;br&gt;Module 2 - Lesson 2.4 - Operations with Scientific Notation&lt;br&gt;Assessment</td>
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<td>9/18 – 9/22</td>
<td><strong>Unit 2 - Proportional and Nonproportional Relationships and Functions</strong>&lt;br&gt;Module 3 - Proportional Relationships - Lesson 3.1 - Representing Proportional Relationships&lt;br&gt;Lesson 3.3 - Interpreting the Unit Rate as Slope</td>
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<td>9/25 – 9/29</td>
<td><strong>Unit 2 - Proportional and Nonproportional Relationships and Functions</strong>&lt;br&gt;Module 3 - Lesson 3.2 - Rate of Change as Slope&lt;br&gt;Assessment</td>
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<td>10/2 – 10/6</td>
<td><strong>Unit 2 - Proportional and Nonproportional Relationships and Functions</strong>&lt;br&gt;Module 4 - Non-proportional Relationships - Lesson 4.1 - Representing Linear Non-Proportional Relationships&lt;br&gt;Lesson 4.2 - Determining Slope and Y-Intercept</td>
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<td>10/9 – 10/13</td>
<td><strong>Unit 2 - Proportional and Nonproportional Relationships and Functions</strong>&lt;br&gt;Lesson 4.3 - Khan Academy</td>
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Grade 8 Mathematics – Pre-Algebra

- Module 4 – Lesson 4.3 - Graphing Linear Non-Proportional Relationships Using Slope and Y-Intercept
- Quarter Assessment

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### Grade 8 Mathematics – Pre-Algebra 2017 – 2018

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- Module 4 - Non-Proportional Relationships - Lesson 4.4 - Proportional and Nonproportional Situations  
- Assessment | Lesson 4.4 - Khan Academy |
| 2    | Unit 2 - Proportional and Nonproportional Relationships and Functions  
- Module 5 - Writing Linear Equations - Lesson 5.1 Writing Linear Equations from Situations and Graphs  
- Lesson 5.2 - Writing Linear Equations from a Table | Lesson 5.1 - Khan Academy  
Lesson 5.2 - Khan Academy |
| 3    | Unit 2 - Proportional and Nonproportional Relationships and Functions  
- Module 6 - Functions - Lesson 6.1 - Identifying and Representing Functions  
- Lesson 6.2 - Describing Functions  
- Module 6 - Lesson 6.3 - Comparing Functions | Lesson 6.1 - Khan Academy  
Lesson 6.2 - Khan Academy  
Lesson 6.3 - Khan Academy |
| 4    | Unit 2 - Proportional and Nonproportional Relationships and Functions  
- Lesson 6.4 - Analyzing Graphs  
- Assessment | Lesson 6.4 - Khan Academy |
| 5    | Unit 3 - Solving Equations and Systems of Equations  
- Module 7 - Solving Linear Equations - Lesson 7.1 - Equations with the variable on Both Sides | Lesson 7.1 - Khan Academy |
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- Module 7 - Lesson 7.1 - Equations with the Variable on Both Sides | Lesson 7.1 - Khan Academy |
| 7    | Unit 3 - Solving Equations and Systems of Equations  
- Module 7 - Lesson 7.2 - Equations with Rational Numbers  
- Module 7 - Lesson 7.3 - Equations with Distributive Property | Lesson 7.2 - Khan Academy  
Lesson 7.3 - Khan Academy |
| 8    | Unit 3 - Solving Equations and Systems of Equations  
- Module 7 - Lesson 7.4 - Equations with Many Solutions or No Solution  
- Semester Assessment | Lesson 7.4 - Khan Academy |
| 9    | Unit 3 - Solving Equations and Systems of Equations  
- Module 8 - Solving Systems of Linear Equations - Lesson 8.1 - Solving Systems of Linear Equations by Graphing | Lesson 8.1 - Khan Academy |
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• Module 9 - Transformations and Congruence - Lesson 9.1 - Properties of Translations  
• Module 9 - Lesson 9.2 - Properties of Reflections | Lesson 9.1 - Khan Academy |
| 2    | Unit 4 - Transformational Geometry  
• Lesson 9.3 - Properties of Rotations  
• Lesson 9.4 - Algebraic Representations of Transformations | Lesson 9.2 - Khan Academy  
Lesson 9.3 - Khan Academy  
Lesson 9.4 - Khan Academy |
| 3    | Unit 4 - Transformational Geometry  
• Lesson 9.5 - Congruent Figures  
• Assessment | Lesson 9.5 - Khan Academy |
| 4    | Unit 4 - Transformational Geometry  
• Module 10 - Transformations and Similarity - Lesson 10.1 - Properties of Dilations  
• Lesson 10.2 - Algebraic Representations of Dilations  
• Module 10 - Lesson 10.3 - Similar Figures | Lesson 10.1 - Khan Academy  
Lesson 10.2 - Khan Academy  
Lesson 10.3 - Khan Academy |
| 5    | Unit 5 - Measurement Geometry  
• Module 11 - Lesson 11.3 – Angle-Angle Similarity  
• Assessment  
• Module 11 - Angle Relationships in Parallel Lines and Triangles - Lesson 11.1 - Parallel Lines Cut by a Transversal | Lesson 11.3 - Khan Academy  
Lesson 11.1 - Khan Academy |
| 6    | Unit 5 - Measurement Geometry  
• Module 11 - Lesson 11.2 - Angle Theorems for Triangles  
• Assessment | Lesson 11.2 - Khan Academy |
| 7    | Unit 5 - Measurement Geometry  
• Module 12 - The Pythagorean Theorem - Lesson 12.1 - The Pythagorean Theorem | Lesson 12.1 - Khan Academy |
| 8    | Unit 5 - Measurement Geometry  
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• Module 12 - Lesson 12.3 - Distance Between Two Points | Lesson 12.2 - Khan Academy  
Lesson 12.3 - Khan Academy |
| 9    | Unit 5 - Measurement Geometry  
• Assessment  
| 10   | Unit 5 - Measurement Geometry  
• Module 13 - Lesson 13.2 - Volume of Cones  
• Lesson 13.3 - Volume of Spheres  
• Quarter Assessment | Lesson 13.2 - Khan Academy  
Lesson 13.3 - Khan Academy |

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<td>• Lesson 15.2 - Two-Way Relative Frequency Tables</td>
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<td>• Assessment</td>
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