Grade 7 Mathematics Advanced 2017 – 2018

Please Note:

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Publisher Resource:

Go Math (use student Active Directory)

Other Course Supplemental Resources:

IXL Math – Grade 7 Standards

Khan Academy
- Grade 7 - Pre-Algebra

FSA Practice: (Please Note: these links work best in Firefox or Chrome)
Grade 7 Pre-Algebra FSA Mathematics Computer-Based PRACTICE TEST
Grade 7 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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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 13	1 8/10 - 8/11	• Fractions/Integer Review	
	2 8/14 – 8/18	• Lesson 1.1 - Algebraic Expressions • Lesson 1.2 - One-Step Equations with Rational Coefficients	Lesson 1.1 – Khan Academy Lesson 1.2 – Khan Academy
	3 8/21 – 8/25	• Lesson 1.3 Writing Two-Step Equations • Lesson 1.4 - Solving Two-Step Equations • Module 1 Assessment	Lesson 1.3 – Khan Academy
	4 8/28 – 9/1	• Lesson 2.1 Writing and Solving One-Step Inequalities • Lesson 2.2 - Writing Two-Step Inequalities • Lesson 2.3 - Solving Two-Step Inequalities • Module 2 Assessment	Lesson 2.1 – Khan Academy Lesson 2.2 – Khan Academy Lesson 2.3 – Khan Academy
	5 9/5 – 9/8	• Lesson 15.1 - Equations with the Variable on Both Sides • Lesson 15.2 - Equations with Rational Numbers	Lesson 15.1 - Khan Academy Lesson 15.2 - Khan Academy
	6 9/11 – 9/15	• Lesson 15.3 - Equations with the Distributive Property • Lesson 15.4 - Equations with Many Solutions or No Solution • Module 15 Assessment	Lesson 15.3 - Khan Academy Lesson 15.4 - Khan Academy
	7 9/18 – 9/22	• Lesson 11.1 Representing Proportional Relationships • Lesson 11.2 - Rate of Change and Slope • Lesson 11.3 - Interpreting the Unit Rate • Module 11 Assessment	Lesson 11.1 - Khan Academy Lesson 11.2 - Khan Academy Lesson 11.3 - Khan Academy
	8 9/25 – 9/29	• Lesson 12.1 - Representing Linear Nonproportional Relationships • Lesson 12.2 - Determining Slope and y-intercept • Lesson 12.3 - Graphing Linear Nonproportional Relationships Using Slope and y-intercept • Lesson 12.4 - Proportional and Nonproportional Situations • Module 12 Assessment	Lesson 12.1 - Khan Academy Lesson 12.2 - Khan Academy Lesson 12.3 - Khan Academy Lesson 12.4 - Khan Academy
	9 10/2 – 10/6	• Lesson 13.1 - Writing Linear Equations from Situations/ Graphs • Lesson 13.2 - Writing Linear Equations from a Table • Lesson 13.3 - Linear Relationships and Bivariate Data • Module 13 Assessment	Lesson 13.1 - Khan Academy Lesson 13.2 - Khan Academy Lesson 13.3 – Khan Academy
	10 10/9 – 10/13	•	
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Quarter 2 Oct 17 – Dec 21	1 10/17 – 10/20	• Lesson 14.1 - Identifying and Representing Functions • Lesson 14.2 - Describing Functions • Lesson 14.3 - Comparing Functions • Lesson 14.4 - Analyzing Graphs • Module 14 Assessment	Lesson 14.1 - Khan Academy Lesson 14.2 - Khan Academy Lesson 14.3 - Khan Academy Lesson 14.4 - Khan Academy
	2 10/23 – 10/27	• Lesson 3.1 Similar Shapes and Scale Drawings • Lesson 3.3 - Cross Sections	Lesson 3.3 – Khan Academy
	3 10/30 – 11/3	• Lesson 3.4 - Angle Relationships • Lesson 3.2 - Geometric Drawings	Lesson 3.4 – Khan Academy Lesson 3.2 – Khan Academy
	4 11/6 – 11/9	• Module 3 Assessment • Lesson 4.1 Circumference	
	5 11/13 – 11/17	• Lesson 4.2 - Area of Circles • Lesson 4.3 - Area of Composite Figures • Lesson 4.4 - Solving Surface Area Problems	Lesson 4.1 – Khan Academy Lesson 4.2 – Khan Academy Lesson 4.3 – Khan Academy Lesson 4.4 – Khan Academy
	6 11/20 – 11/21	• Lesson 4.5 - Solving Volume Problems • Module 4 Assessment	Lesson 4.5 – Khan Academy
	7 11/27 – 12/1	• Lesson 5.1 Populations and Samples • Lesson 5.2 - Making Inferences from a Random Sample • Lesson 5.3- Generating Random Samples • Module 5 Assessment	Lesson 5.1 – Khan Academy Lesson 5.2 – Khan Academy
	8 12/4 – 12/8	• Lesson 6.1 Comparing Data Displayed in Dot Plots • Lesson 6.2 - Comparing Data Displayed in Box Plots	Lesson 6.1 – Khan Academy Lesson 6.2 – Khan Academy
	9 12/11 – 12/15	• Lesson 6.3- Mean Absolute Deviation • Module 6 Assessment	Lesson 6.3 – Khan Academy
	10 12/18 – 12/21	•	

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Quarter 3 Jan 8 – Mar 15	1 1/8 – 1/12	• Lesson 7.1 Probability • Lesson 7.2 - Experimental Probability of Simple Events	Lesson 7.1 – Khan Academy Lesson 7.2 – Khan Academy
	2 1/16 – 1/19	• Lesson 7.3 - Experimental Probability of Compound Events • Lesson 7.4 - Making Predictions with Experimental Probability • Module 7 Assessment	Lesson 7.3 – Khan Academy Lesson 7.4 – Khan Academy
	3 1/22 – 1/26	• Lesson 8.1 Theoretical Probability of Simple Events • Lesson 8.2 Theoretical Probability of Compound Events	Lesson 8.1 – Khan Academy Lesson 8.2 – Khan Academy
	4 1/30 – 2/2	• Lesson 8.3 - Making Predictions with Theoretical Probability • Lesson 8.4 - Using Technology to Conduct a Simulation • Module 8 Assessment	Lesson 8.3 – Khan Academy Lesson 8.4 – Khan Academy
	5 2/5 – 2/9	• Lesson 9.1 Rational and Irrational Numbers • Lesson 9.2 - Sets of Real Numbers	Lesson 9.1 - Khan Academy Lesson 9.2 - Khan Academy
	6 2/12 – 2/16	• Lesson 9.2 - Sets of Real Numbers • Lesson 9.3 - Ordering Real Numbers • Module 9 Assessment	Lesson 9.2 - Khan Academy Lesson 9.3 - Khan Academy
	7 2/20 – 2/23	• Lesson 10.1 - Integer Exponents • Lesson 10.2 - Scientific Notation with Positive Powers of 10 • Lesson 10.3 - Scientific Notation with Negative Powers of 10	Lesson 10.1 - Khan Academy Lesson 10.2 - Khan Academy Lesson 10.3 - Khan Academy
	8 2/26 – 3/2	• Lesson 10.3 - Scientific Notation with Negative Powers of 10 • Lesson 10.4 - Operations with Scientific Notation • Module 10 Assessment	Lesson 10.3 - Khan Academy Lesson 10.4 - Khan Academy
	9 3/5 – 3/9	• Lesson 16.1 Solving Systems of Linear Equations by Graphing • Lesson 16.2 - Solving Systems by Substitution • Lesson 16.3 - Solving Systems by Elimination	Lesson 16.1 - Khan Academy Lesson 16.2 - Khan Academy Lesson 16.3 - Khan Academy
	10 3/12 – 3/15	• Lesson 16.4 - Solving Systems by Elimination with Multiplication • Lesson 16.5 - Solving Special Systems • Module 16 Assessment	Lesson 16.4 - Khan Academy Lesson 16.5 - Khan Academy

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Quarter 4 Mar 19 – May 24	1 3/19 – 3/23	• Lesson 17.1 Properties of Translations • Lesson 17.2 - Properties of Reflections • Lesson 17.3 - Properties of Rotations • Lesson 17.4 - Algebraic Representations of Transformations • Lesson 17.5 - Congruent Figures • Module 17 Assessment	Lesson 17.1 - Khan Academy Lesson 17.2 - Khan Academy Lesson 17.3 - Khan Academy
	2 3/26 – 3/30	• **SPRING BREAK – NO SCHOOL**	
	3 4/2 – 4/6	• Lesson 18.1 Properties of Dilations • Lesson 18.2 - Algebraic Representations of Dilations • Lesson 18.3 - Similar Figures • Module 18 Assessment	Lesson 17.4 - Khan Academy Lesson 17.5 - Khan Academy
	4 4/9 – 4/13	• Lesson 19.1 Parallel Lines Cut by a Transversal • Lesson 19.2 - Angle Theorems for Triangles • Lesson 19.3 - Angle-Angle Similarity • Module 19 Assessment	Lesson 18.1 - Khan Academy Lesson 18.2 - Khan Academy
	5 4/16 – 4/20	• Lesson 20.1 The Pythagorean Theorem • Lesson 20.2 - Converse of the Pythagorean Theorem • Lesson 20.3 - Distance Between Two Points • Module 20 Assessment	Lesson 18.3 - Khan Academy
	6 4/23 – 4/27	• Lesson 21.1 Volume of Cylinders • Lesson 21.2 - Volume of Cones • Lesson 21.3 – Volume of Spheres • Module 21 Assessment	Lesson 21.1 - Khan Academy Lesson 21.2 - Khan Academy
	7 4/30 – 5/4	• Lesson 22.1 - Scatter Plots and Associations •	Lesson 22.1 - Khan Academy
	8 5/7 – 5/11	• Lesson 22.2 - Trend Lines and Predictions • Module 22 Assessment	Lesson 22.2 - Khan Academy
	9 5/14 – 5/18	• Lesson 23.1 – Two-Way Frequency Tables • Lesson 23.2 – Two-Way Relative Frequency Tables • Module 23 Assessment	Lesson 23.1 - Khan Academy Lesson 23.2 - Khan Academy Grade 7 Review – Florida Students

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	10 5/21 – 5/24	•	

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