

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](#) (7th 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 7 Mathematics Test Item Specifications](#)

[Grade 7 FSA Mathematics Computer-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 16 – Oct 15	1 8/16 – 8/20	<ul style="list-style-type: none"> Lesson 1-1 - 7.NS.1.1a - Relate Integers and their opposite Lesson 1-2 - 7.NS.1.2d - Understand Rational Numbers 	Opposites (6th grade) - Khan Academy Comparing Rational Numbers - Khan Academy
	2 8/23 – 8/27	<ul style="list-style-type: none"> Lesson 1-3 – 7.NS.1.1b & c - Add Integers Lesson 1-4 – 7.NS.1.1c & d - Subtract Integers 	Adding negative numbers - Khan Academy Adding numbers with different signs - Khan Academy Adding and subtracting negative numbers - Khan Academy Subtracting a negative - Khan Academy Adding negatives on a number line - Khan Academy
	3 8/30 – 9/3	<ul style="list-style-type: none"> Lesson 1-5 – 7.NS.1.1 b, c & d - Add and Subtract Rational Numbers Lesson 1-6 – 7.NS. 1.2a & c - Multiply Integers 	Adding, subtracting rational numbers - Khan Academy Adding and subtracting fractions - Khan Academy Adding fractions with different signs - Khan Academy Multiplying positive and negative numbers - Khan Academy
	4 9/6 – 9/10	<ul style="list-style-type: none"> Labor Day Holiday – 9/6 Lesson 1-7 – 7.NS. 1.2a & c - Multiply Rational Numbers Lesson 1-8 – 7.NS. 1.2b & c - Divide Integers 	Multiplying positive and negative fractions - Khan Academy Dividing positive and negative numbers - Khan Academy
	5 9/13 – 9/17	<ul style="list-style-type: none"> Interims Issued – 9/14 Lesson 1-9 – 7.NS. 1.2b & c - Divide Rational Numbers Lesson 1-10 – 7.NS. 1.3, 7.EE.2.3 - Solve Problems with Rational Topic 1 Remediation 	Dividing negative fractions - Khan Academy Dividing mixed numbers - Khan Academy Rational numbers word problems - Khan Academy
	6 9/20 – 9/24	<ul style="list-style-type: none"> Topic 1 Review Topic 1 Assessment Lesson 2-1 – 7.RP1.1 & 1.3 - Connect Ratios, Rates and Unit Rates 	Basic ratios - Khan Academy Intro to ratios (6th grade) - Khan Academy
	7 9/27 – 10/1	<ul style="list-style-type: none"> Lesson 2-2 – 7.RP1.1 & 1.3 - Determine Unit Rates with Ratios of Fractions 	Rates with fractions - Khan Academy Introduction to proportional relationships - Khan Academy

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		<ul style="list-style-type: none"> Lesson 2-3 – 7.RP1.2a - Understand Proportional Relationships: Equivalent Fractions 	
	8 10/4 – 10/8	<ul style="list-style-type: none"> Lesson 2-4 – 7.RP1.2b & c - Describe Proportional Relationships: Constant of Proportionality Lesson 2-5 – 7.RP1.2a, b & d - Graph Proportional Relationships 	<p>Identify constant of proportionality graphically - Khan Academy</p> <p>Constant of proportionality from graph - Khan Academy</p> <p>Identifying the constant of proportionality from equation - Khan Academy</p> <p>Constant of proportionality from equation - Khan Academy</p> <p>Constant of proportionality from tables - Khan Academy</p> <p>Constant of proportionality from table with equations - Khan Academy</p>
	9 10/11 – 10/15	<ul style="list-style-type: none"> PSAT/NMSQT – 10/13 Lesson 2-6 – 7.RP1.2, & 1.3 - Apply Proportional Relationships to Solve Problems Topic 2 Remediation Topic 2 Review Topic 2 Assessment 	<p>Solving proportions - Khan Academy</p> <p>Writing proportions - Khan Academy</p>

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Quarter 2 Oct 18 – Dec 21	1 10/18 – 10/22	<ul style="list-style-type: none"> Teacher Planning Day – 10/18 Lesson 3-1 – 7.RP.1.3 – Analyze Percent of Numbers Lesson 3-2 – 7. RP.1.2c, 1.3 – Connect Percent and Proportion 	Finding a percent - Khan Academy Solving percent problem - Khan Academy
	2 10/25 – 10/29	<ul style="list-style-type: none"> Report Cards – 10/26 Lesson 3-3 - 7.RP.1.2c & 1.3 – Represent and use the Percent Equation Lesson 3-4 – 7.RP.1.3 – Solve Percent Change & Percent Error Problems 	Equivalent expression with percent problems practice - Khan Academy
	3 11/1 – 11/5	<ul style="list-style-type: none"> Lesson 3-5 – 7.RP.1.3 – Solve Markup and Markdown Problems Lesson 3-6 – 7.RP.1.3 – Solve Simple Interest Problems 	Percent: tax and discount - Khan Academy Simple interest - Khan Academy
	4 11/8 – 11/12	<ul style="list-style-type: none"> Veterans Day 11/11 Topic 3 Remediation Topic 3 Review Topic 3 Assessment 	
	5 11/15 – 11/19	<ul style="list-style-type: none"> Interims Issued – 11/16 Lesson 4-1 – 7.EE.2.3 & 2.4 – Write & Evaluate Algebraic Expressions Lesson 4-2 – 7.EE.1.1 – Generate Equivalent Expressions Lesson 4-3 – 7.EE.1.1 – Simplify Expressions 	Evaluating an expression with one variable - Khan Academy Evaluating expressions with two variables - Khan Academy Writing basic expressions with variables - Khan Academy Writing expressions with variables and parentheses - Khan Academy Intro to combining like terms - Khan Academy
	6 11/22 – 11/26	<ul style="list-style-type: none"> Thanksgiving Holiday 11/24 – 11/26 Lesson 4-4 – 7.EE.1.1 – Expand Expressions Lesson 4-5 – 7.EE.1.1 & 1.2 – Factor Expressions 	Distributive property - Khan Academy Factoring with the distributive property - Khan Academy
	7 11/29 – 12/3	<ul style="list-style-type: none"> Lesson 4-6 – 7.EE.1.1 & 1.2 – Add Expressions Lesson 4-7 – 7.EE.1.1 & 1.2 – Subtract Expressions 	Combining like terms with negative coefficients and distribution - Khan Academy
	8 12/6 – 12/10	<ul style="list-style-type: none"> Lesson 4-8 – 7.EE.1.2 - Analyze Equivalent Expression Topic 4 Remediation Topic 4 Review 	Equivalent expressions - Khan Academy

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	<p>9 12/13 – 12/17</p>	<ul style="list-style-type: none"> • Topic 4 Assessment • Standards Review 	
	<p>10 12/20 – 12/24</p>	<ul style="list-style-type: none"> • Second Quarter/First Semester Ends – 12/21 • Winter Break – 12/22 –1/4 • Standards Review 	

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Quarter 3 Jan 6 – Mar 10	1 1/5 – 1/7	<ul style="list-style-type: none"> Teacher planning – 1/5 Lesson 5-1 – 7.EE.2.4 – Write Two-Step Equations Lesson 5-2 – 7.EE.2.3 & 2.4a – Solve Two-Step Equations 	Intro to 2 step equations - Khan Academy Solving 2 step equations - Khan Academy 2 step equations with decimals and fractions - Khan Academy Same thing to both sides - Khan Academy
	2 1/10 – 1/14	<ul style="list-style-type: none"> Lesson 5-3 – 7.EE.2.3 & 2.4a – Solve Equations Using the Distributive Property Lesson 5-4 – 7.EE.2.4b – Solve Inequalities Using Addition & Subtraction 	Find the mistake: 2 step equations - Khan Academy
	3 1/17 – 1/21	<ul style="list-style-type: none"> Martin Luther King Jr. Holiday – 1/17 Report Cards – 1/19 Lesson 5-5 – 7.EE.2.4b – Solve Inequalities Using Multiplication & Division Lesson 5-6 – 7.EE.2.4b – Solve Two Step Inequalities 	1 step inequalities - Khan Academy 1 step inequalities - Khan Academy 2 step inequalities - Khan Academy 2 step inequalities word problem - Khan Academy
	4 1/24 – 1/28	<ul style="list-style-type: none"> Lesson 5-7 – 7.EE.2.4b – Solve Multi-Step Inequalities Topic 5 Remediation Topic 5 Review 	Testing solutions to inequalities - Khan Academy Multi-step inequalities - Khan Academy
	5 1/31 – 2/4	<ul style="list-style-type: none"> Topic 5 Assessment Lesson 6-1 – 7.SP.1.1 – Populations & Samples Lesson 6-2 – 7.SP.1.1 & 1.2 – Draw Inferences from Data 	Reasonable samples - Khan Academy
	6 2/7 – 2/11	<ul style="list-style-type: none"> Teacher Inservice – 2/7 Interims Issued – 2/8 Lesson 6.3 – 7.SP.2.3 & 2.4 – Make Comparative Inferences About Populations 	Making inferences from random samples practice - Khan Academy
	7 2/14 – 2/18	<ul style="list-style-type: none"> Lesson 6-4 – 7.SP.2.3 & 2.4 – Make More Comparative Inferences About Populations Topic 6 Remediation Topic 6 Review 	

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	8 2/21 – 2/25	<ul style="list-style-type: none"> • Presidents Day Holiday – 2/21 • Topic 6 Assessment • Lesson 7-1- 7.SP.3.5, EE.2.3 – Understand Likelihood & Probability 	Intro to theoretically probability - Khan Academy Simple probability - Khan Academy
	9 2/28 – 3/4	<ul style="list-style-type: none"> • Lesson 7-2- 7.SP.3.6 – Understand Theoretical Probability • Lesson 7-3 – 7.SP.3.6 & 3.7 – Understand Experimental Probability • Lesson 7-4 – 7.SP.3.7a&b – Use Probability Models 	Experimental probability - Khan Academy Theoretical and experimental probabilities - Khan Academy Making predictions with probability - Khan Academy
	10 3/7 – 3/11	<ul style="list-style-type: none"> • Teacher Planning Day – 3/11 • Lesson 7-5 – 7.SP.3.8b – Determine Outcomes of Compound Events • Lesson 7-6 – 7.SP.3.8a – Find Probabilities of Compound Events 	Sample spaces for compound events - Khan Academy Probability of a compound event - Khan Academy Counting outcomes - Khan Academy Tree diagram - Khan Academy

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Quarter 4 Mar 14 – May 31	1 3/14 – 3/18	<ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL 	
	2 3/21 – 3/25	<ul style="list-style-type: none"> • Lesson 7-7 – 7.SP.3.8c – Simulate Compound Event • Topic 7 Remediation • Topic 7 Review 	
	3 3/28 – 4/1	<ul style="list-style-type: none"> • Report Cards – 3/29 • Topic 7 Assessment • Lesson 8-1 – 7.G.1.1 – Solve Problems Involving Scale Drawings 	Identifying scale factor in drawings - Khan Academy Interpreting scale factor in drawings - Khan Academy Scale factor and area - Khan Academy Scale drawings - Khan Academy Creating scale drawings - Khan Academy
	4 4/4 – 4/8	<ul style="list-style-type: none"> • Lesson 8-2 – 7.G.1.2 – Draw Geometric Figures • Lesson 8-3 – 7.G.1.2 – Draw Triangles with Given Conditions 	Construct a triangle with constraints - Khan Academy Triangle inequality theorem - Khan Academy Angles: introduction - Khan Academy Complementary and supplementary angles - Khan Academy Vertical angles - Khan Academy Equations with complementary angles - Khan Academy Equations with supplementary angles - Khan Academy
	5 4/11 – 4/15	<ul style="list-style-type: none"> • Holiday – 4/15 • Lesson 8-4 – 7.G.2.5 – Solve Problems Using Angle Relationships • Lesson 8-5 – 7.G.2.4 – Solve Problems Involving Circumference of a Circle 	Radius, diameter, circumference and pi - Khan Academy Label the parts of a circle - Khan Academy

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			Relating circumference and area - Khan Academy Area of a circle - Khan Academy
6 4/18 – 4/22	<ul style="list-style-type: none"> • Holiday – 4/18 • Lesson 8-6 – 7.G.2.4 – Solve Problems Involving Area of Circle • Lesson 8-7 – 7.G.1.3 – Describe Cross Sections 		Slicing a rectangular pyramid - Khan Academy Cross section of a cube - Khan Academy
7 4/25 – 4/29	<ul style="list-style-type: none"> • Interims Issued – 4/26 • Lesson 8-8 – 7.G.2.6 – Solve Problems Involving Surface Area • Lesson 8-9 – 7.G.2.6 – Solve Problems Involving Surface Area 		Find surface area by adding faces - Khan Academy Solve surface area word problems - Khan Academy
8 5/2 – 5/6	<ul style="list-style-type: none"> • Topic 8 Remediation • Topic 8 Review • Topic 8 Assessment 		
9 5/9 – 5/13	<ul style="list-style-type: none"> • Standards Review 		
10 5/16 – 5/20	<ul style="list-style-type: none"> • Standards Review 		
11 5/23 – 5/27	<ul style="list-style-type: none"> • Standards Review 		
	<ul style="list-style-type: none"> • Standards Review 		
12 5/30 – 6/2	<ul style="list-style-type: none"> • Memorial Day Holiday – 5/30 		

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