

Please Note:

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Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

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 12 – Oct 11	1 8/12 – 8/16	Topic 1 – Rational Number Operations <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 	Introduction to Rational and Irrational Numbers – Khan Academy
	2 8/19 – 8/23	Topic 1 – Rational Number Operations <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 Lesson 1-5 – 7.NS.1.1 b, c & d - Add and Subtract Rational Numbers 	Add integers - Khan Academy Subtract Integers - Khan Academy Add/Subtract Rational Numbers - Khan Academy
	3 8/26 – 8/30	Topic 1 – Rational Number Operations <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 Lesson 1-7 – 7.NS. 1.2a & c - Multiply Rational Numbers 	Add/Subtract Rational Numbers - Khan Academy Multiply Integers - Khan Academy Multiply Rational Numbers - Khan Academy
	4 9/3 – 9/6	Topic 1 – Rational Number Operations <ul style="list-style-type: none"> Lesson 1-8 – 7.NS. 1.2b & c - Divide Integers Lesson 1-9 – 7.NS. 1.2b & c - Divide Rational Numbers 	Divide Integers - Khan Academy Divide Rational Numbers - Khan Academy
	5 9/9 – 9/13	Topic 1 – Rational Number Operations <ul style="list-style-type: none"> Lesson 1-10 – 7.NS. 1.3, 7.EE.2.3 - Solve Problems with Rational Numbers Lesson – 7. NS. 1.1 & 1.3 - Mathematical Modeling: Win Some, Lose Some Review & Assessment 	Rational Number Word Problems - Khan Academy
	6 9/16 – 9/20	Topic 1 Review & Assessment Topic 2 – Analyze and Use Proportional Relationships <ul style="list-style-type: none"> Lesson 2-1 – 7.RP1.1 & 1.3 - Connect Ratios, Rates and Unit Rates 	Introduction to Proportional Relationships - Khan Academy Ratios, Rates, and Proportions - Khan Academy Introduction to Unit Rates - Khan Academy
	7 9/23 – 9/27	Topic 2 – Analyze and Use Proportional Relationships <ul style="list-style-type: none"> Lesson 2-2 – 7.RP1.1 & 1.3 - Determine Unit Rates with Ratios of Fractions Lesson 2-3 – 7.RP1.2a - Understand Proportional Relationships: Equivalent Fractions 	Rates with Fractions - Khan Academy
	8 9/30 – 10/4	Topic 2 – Analyze and Use Proportional Relationships <ul style="list-style-type: none"> Lesson 2-4 – 7.RP1.2b & c - Describe Proportional Relationships: Constant of Proportionality Lesson – 7.RP1.1 & 1.2a - Mathematical Modeling: Mixin' It Up Lesson 2-5 – 7.RP1.2a, b & d - Graph Proportional Relationships 	Determine Constant of Proportionality form Equations - Khan Academy Determine Constant of Proportionality Graphically - Khan Academy Graphing Proportional Relationships - Khan Academy

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	9 10/7 – 10/11	Topic 2 – Analyze and Use Proportional Relationships <ul style="list-style-type: none">• Lesson 2-6 – 7.RP1.2, & 1.3 - Apply Proportional Relationships to Solve Problems• Review & Assessment	Review Lessons and Videos for Topic 2
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Quarter 2 Oct 15 – Dec 20	1 10/15 – 10/18	Topic 3 – Analyze and Solve Percent Problems <ul style="list-style-type: none"> Lesson 3-1 – 7.RP.1.3 – Analyze Percent of Numbers Lesson 3-2 – 7. RP.1.2c, 1.3 – Connect Percent and Proportion 	Percent and Proportional Relationships - Khan Academy
	2 10/21 – 10/25	Topic 3 – Analyze and Solve Percent Problems <ul style="list-style-type: none"> 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 	Solving Percent Problems - Khan Academy Percent Word Problems, Tax and Discount - Khan Academy
	3 10/28 – 11/1	Topic 3 – Analyze and Solve Percent Problems <ul style="list-style-type: none"> Lesson – 7.RP.1.3 - Mathematical Modeling: The Smart Shopper Lesson 3-5 – 7.RP.1.3 – Solve Markup and Markdown Problems 	Discount, Markup and Commission - Khan Academy
	4 11/4 – 11/8	Topic 3 – Analyze and Solve Percent Problems <ul style="list-style-type: none"> Lesson 3-6 – 7.RP.1.3 – Solve Simple Interest Problems Review & Assessment 	Solve Simple Interest Problems - Khan Academy
	5 11/12 – 11/15	Topic 4 – Generate Equivalent Expressions <ul style="list-style-type: none"> Lesson 4-1 – 7.EE.2.3 & 2.4 – Write & Evaluate Algebraic Expressions Lesson 4-2 – 7.EE.1.1 – Generate Equivalent Expressions 	Write and Evaluate Algebraic Expressions - Khan Academy Generate Equivalent Expressions - Khan Academy
	6 11/18 – 11/22	Topic 4 – Generate Equivalent Expressions <ul style="list-style-type: none"> Lesson 4-3 – 7.EE.1.1 – Simplify Expressions Lesson 4-4 – 7.EE.1.1 – Expand Expressions 	Simplify Expressions - Khan Academy
	7 11/25 – 11/26	Topic 4 – Generate Equivalent Expressions <ul style="list-style-type: none"> Lesson – 7.EE.1.1 & 1.2 - Mathematical Modeling: I've Got You Covered 	Generate Equivalent Expressions - Khan Academy
	8 12/2 – 12/6	Topic 4 – Generate Equivalent Expressions <ul style="list-style-type: none"> Lesson 4-5 – 7.EE.1.1 & 1.2 – Factor Expressions Lesson 4-6 – 7.EE.1.1 & 1.2 – Add Expressions 	Expressions - Khan Academy
	9 12/9 – 12/13	Topic 4 – Generate Equivalent Expressions <ul style="list-style-type: none"> Lesson 4-7 – 7.EE.1.1 & 1.2 – Subtract Expressions Lesson 4-8 – 7.EE.1.2 - Analyze Equivalent Expression 	Equivalent Expressions - Khan Academy
	10 12/16 – 12/20	Topic 4 – Generate Equivalent Expressions <ul style="list-style-type: none"> Review & Assessment Topic 5 – Solve Problems Using Equations & Inequalities <ul style="list-style-type: none"> Lesson 5-1 – 7.EE.2.4 – Write Two-Step Equations Lesson 5-2 – 7.EE.2.3 & 2.4a – Solve Two-Step Equations 	Same Thing to Both Sides - Khan Academy Equation Word Problem - Khan Academy

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Quarter 3 Jan 6 – Mar 12	1 1/6– 1/10	Topic 5 – Solve Problems Using Equations & Inequalities <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 	Distributive Property with Variables - Khan Academy Solving Inequalities - Khan Academy
	2 1/13 – 1/17	Topic 5 – Solve Problems Using Equations & Inequalities <ul style="list-style-type: none"> Lesson 5-5 – 7.EE.2.4b – Solve Inequalities Using Multiplication & Division Lesson – 7.EE.2.3&2.4 – Mathematical Modeling: Digital Downloads 	Solving Inequalities - Khan Academy
	3 1/21 – 1/24	Topic 5 – Solve Problems Using Equations & Inequalities <ul style="list-style-type: none"> Lesson 5-6 – 7.EE.2.4b – Solve Two Step Inequalities Lesson 5-7 – 7.EE.2.4b – Solve Multi-Step Inequalities 	Solve Two Step Inequalities - Khan Academy Solve Multi-Steps Inequalities - Khan Academy
	4 1/27 – 1/30	Topic 5 – Solve Problems Using Equations & Inequalities <ul style="list-style-type: none"> Review & Assessment Topic 6 – Use Sampling to Draw Inferences About Populations <ul style="list-style-type: none"> Lesson 6-1 – 7.SP.1.1 – Populations & Samples 	Review Lessons and Videos for topics 5-1 – 5-7 Comparing and Sampling Populations - Khan Academy
	5 2/3 – 2/7	Topic 6 – Use Sampling to Draw Inferences About Populations <ul style="list-style-type: none"> Lesson 6-2 – 7.SP.1.1 & 1.2 – Draw Inferences from Data Lesson 6.3 – 7.SP.2.3 & 2.4 – Make Comparative Inferences About Populations 	Draw Inferences from Data - Khan Academy
	6 2/10 – 2/14	Topic 6 – Use Sampling to Draw Inferences About Populations <ul style="list-style-type: none"> Lesson 6-4 – 7.SP.2.3 & 2.4 – Make More Comparative Inferences About Populations Lesson -7.SP.2.3 & 2.4 – Mathematical Modeling: Raising Money 	Make Inferences from Random Samples - Khan Academy
	7 2/17 – 2/21	Topic 6 – Use Sampling to Draw Inferences About Populations <ul style="list-style-type: none"> Review & Assessment Topic 7 – Probability <ul style="list-style-type: none"> Lesson 7-1- 7.SP.3.5, EE.2.3 – Understand Likelihood & Probability 	Simple Probability - Khan Academy
	8 2/24 – 2/28	Topic 7 – Probability <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 	Understanding Theoretical Probability - Khan Academy Experimental Probability vs Theoretical Probability - Khan Academy
	9 3/2 – 3/6	Topic 7 – Probability <ul style="list-style-type: none"> Lesson 7-4 – 7.SP.3.7a&b – Use Probability Models Lesson – 7.SP.3,5, 3.6 & 3.7 – Mathematical Modeling: Photo Finish Lesson 7-5 – 7.SP.3.8b – Determine Outcomes of Compound Events 	Determine Results of Simulations Using Probability Models - Khan Academy Probability of a Compound Event

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			Introduction - Khan Academy
	10 3/9 – 3/12	Topic 7 – Probability <ul style="list-style-type: none"> • Lesson 7-6 – 7.SP.3.8a – Find Probabilities of Compound Events • Lesson 7-7 – 7.SP.3.8c – Simulate Compound Events • Review & Assessment 	Find Probabilities of Compound Events - Khan Academy

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Quarter 4 Mar 23 – May 27	1 3/16 – 3/20	<ul style="list-style-type: none"> SPRING BREAK – NO SCHOOL 	
	2 3/23 – 3/27	Topic 7 – Probability <ul style="list-style-type: none"> Review & Assessment Topic 8 – Solve Problems Involving Geometry <ul style="list-style-type: none"> Lesson 8-1 – 7.G.1.1 – Solve Problems Involving Scale Drawings 	Solve Word Problems Involving Scale Drawings - Khan Academy
	3 3/30 – 4/3	Topic 8 – Solve Problems Involving Geometry <ul style="list-style-type: none"> Lesson 8-1 – 7.G.1.1 – Solve Problems Involving Scale Drawings Lesson 8-2 – 7.G.1.2 – Draw Geometric Figures Lesson 8-3 – 7.G.1.2 – Draw Triangles with Given Conditions 	Solve Word Problems Involving Scale Drawings - Khan Academy Constructing Triangles - Khan Academy
	4 4/6 – 4/9	Topic 8 – Solve Problems Involving Geometry <ul style="list-style-type: none"> 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 	Introduction to Angle Relationships - Khan Academy Circumference Review - Khan Academy
	5 4/14 – 4/17	Topic 8 – Solve Problems Involving Geometry <ul style="list-style-type: none"> Lesson 8-6 – 7.G.2.4 – Solve Problems Involving Area of Circle Lesson – Mathematical Modeling: Whole Lotta Dough 	Determine Area of a Circle - Khan Academy
	6 4/20 – 4/24	Topic 8 – Solve Problems Involving Geometry <ul style="list-style-type: none"> Lesson 8-7 – 7.G.1.3 – Describe Cross Sections Lesson 8-8 – 7.G.2.6 – Solve Problems Involving Surface Area 	Describe Cross Sections of 3D Objects - Khan Academy Solve Word Problems Involving Surface Area - Khan Academy
	7 4/27 – 5/1	Topic 8 – Solve Problems Involving Geometry <ul style="list-style-type: none"> Lesson 8-9 – 7.G.2.6 – Solve Problems Involving Surface Area Review & Assess 	Review Lessons and Videos for Topic 8
	8 5/4 – 5/8	Standards Review	
	9 5/11 – 5/15	Standards Review	
	10 5/18 – 5/22	Standards Review	
	11 5/25 – 5/27	Standards Review	

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