

Please Note:

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Publisher Resource:

Go Math - My.hrw.com

Username: 55S(student ID)

Password: FL + mmddyyyy of birth

Other Course Supplemental Resources – by standard and Topic:

[IXL Math – Grade 8 Standards](#)

[Study Island](#)

Login: 55s(student #)

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

[FSA Portal](#)

[PARCC](#)

[Smarter Balanced Portal](#)

Grade 8 Pre-Algebra

2015 – 2016

	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 16	1	Unit 0 <ul style="list-style-type: none"> Prerequisite Skills -May include long division, operations with integers, solving linear equations. Unit 1 - Real Numbers, Exponents, and Scientific Notation <ul style="list-style-type: none"> Module 1 - Real Numbers - Lesson 1.1 Rational and Irrational Numbers 	Module 0 - Khan Academy Lesson 1.1 - Khan Academy
	2	Unit 1 - Real Numbers, Exponents, and Scientific Notation <ul style="list-style-type: none"> Module 1 - Lesson 1.2 Sets of Real Numbers Lesson 1.3 - Ordering Real Numbers 	Lesson 1.2 - Khan Academy Lesson 1.3 - Khan Academy
	3	Unit 1 - Real Numbers, Exponents, and Scientific Notation <ul style="list-style-type: none"> Module 1 -Lesson 1.3 - Ordering Real Numbers Assessment Module 2 - Exponents and Scientific Notation - Lesson 2.1 Integer Exponents 	Lesson 2.1 - Khan Academy
	4	Unit 1 - Real Numbers, Exponents, and Scientific Notation <ul style="list-style-type: none"> Module 2 - Lesson 2.1 - Integer Exponents Lesson 2.2 Scientific Notation with Positive Powers of 10 	Lesson 2.2 - Khan Academy
	5	Unit 1 - Real Numbers, Exponents, and Scientific Notation <ul style="list-style-type: none"> Module 2 - Lesson 2.3 - Scientific Notation with Negative Powers of 10 Lesson 2.4 - Operations with Scientific Notation 	Lesson 2.3 - Khan Academy Lesson 2.4 - Khan Academy
	6	Unit 1 - Real Numbers, Exponents, and Scientific Notation <ul style="list-style-type: none"> Module 2 - Lesson 2.4 - Operations with Scientific Notation Assessment 	
	7	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> Module 3 - Proportional Relationships - Lesson 3.1 - Representing Proportional Relationships Lesson 3.3 - Interpreting the Unit Rate as Slope 	Lesson 3.1 - Khan Academy Lesson 3.3 - Khan Academy
	8	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> Module 3 - Lesson 3.2 - Rate of Change as Slope Assessment 	Lesson 3.2 - Khan Academy
	9	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> Module 4 - Non-proportional Relationships - Lesson 4.1 - Representing Linear Non-Proportional Relationships Lesson 4.2 - Determining Slope and Y-Intercept 	Lesson 4.1 - Khan Academy Lesson 4.2 - Khan Academy

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	10	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none">• Module 4 – Lesson 4.3 - Graphing Linear Non-Proportional Relationships Using Slope and Y-Intercept• Quarter Assessment	Lesson 4.3 - Khan Academy
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Quarter 2 Oct 19 – Dec 18	1	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> ● 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 <ul style="list-style-type: none"> ● 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 <ul style="list-style-type: none"> ● Module 6 - Functions - Lesson 6.1 - Identifying and Representing Functions ● Lesson 6.2 - Describing Functions 	Lesson 6.1 - Khan Academy Lesson 6.2 - Khan Academy
	4	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> ● Module 6 - Lesson 6.3 - Comparing Functions ● Lesson 6.4 - Analyzing Graphs 	Lesson 6.3 - Khan Academy Lesson 6.4 - Khan Academy
	5	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> ● Assessment Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> ● Module 7 - Solving Linear Equations - Lesson 7.1 - Equations with the Variable on Both Sides 	Lesson 7.1 - Khan Academy
	6	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> ● Module 7 - Lesson 7.1 - Equations with the Variable on Both Sides ● Module 7 - Lesson 7.2 - Equations with Rational Numbers 	Lesson 7.2 - Khan Academy
	7	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> ● Module 7 - Lesson 7.3 - Equations with Distributive Property 	Lesson 7.3 - Khan Academy
	8	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> ● Module 7 - Lesson 7.4 - Equations with Many Solutions or No Solution 	Lesson 7.4 - Khan Academy
	9	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> ● Module 8 - Solving Systems of Linear Equations - Lesson 8.1 - Solving Systems of Linear Equations by Graphing ● Semester Assessment 	Lesson 8.1 - Khan Academy

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2015 – 2016

	Week	Major Concepts / Topics	Possible Resources
Quarter 3 Jan 5 – Mar 18	1	Unit 4 - Transformational Geometry <ul style="list-style-type: none"> ● Module 9 - Transformations and Congruence - Lesson 9.1 - Properties of Translations ● Lesson 9.2 - Properties of Reflections 	Lesson 9.1 - Khan Academy Lesson 9.2 - Khan Academy
	2	Unit 4 - Transformational Geometry <ul style="list-style-type: none"> ● Module 9 - Lesson 9.3 - Properties of Rotations ● Lesson 9.4 - Algebraic Representations of Transformations ● Lesson 9.5 - congruent figures ● Assessment 	Lesson 9.3 - Khan Academy Lesson 9.4 - Khan Academy Lesson 9.5 - Khan Academy
	3	Unit 4 - Transformational Geometry <ul style="list-style-type: none"> ● Module 10 - Transformations and Similarity - Lesson 10.1 - Properties of Dilations ● Lesson 10.2 - Algebraic Representations of Dilations 	Lesson 10.1 - Khan Academy Lesson 10.2 - Khan Academy
	4	Unit 4 - Transformational Geometry <ul style="list-style-type: none"> ● Module 10 - Lesson 10.3 - Similar Figures ● Module 11 - Lesson 11.3 - Angle Angle Similarity ● Assessment 	Lesson 10.3 - Khan Academy Lesson 11.3 - Khan Academy
	5	Unit 5 - Measurement Geometry <ul style="list-style-type: none"> ● Module 11 - Angle Relationships in Parallel Lines and Triangles - Lesson 11.1 - Parallel Lines Cut by a Transversal 	Lesson 11.1 - Khan Academy
	6	Unit 5 - Measurement Geometry <ul style="list-style-type: none"> ● Module 11 - Lesson 11.2 - Angle Theorems for Triangles ● Assessment 	Lesson 11.2 - Khan Academy
	7	Unit 5 - Measurement Geometry <ul style="list-style-type: none"> ● Module 12 - The Pythagorean Theorem - Lesson 12.1 - The Pythagorean Theorem 	Lesson 12.1 - Khan Academy
	8	Unit 5 - Measurement Geometry <ul style="list-style-type: none"> ● Module 12 - Lesson 12.2 - The converse of the Pythagorean Theorem ● Module 12 - Lesson 12.3 - Distance Between Two Points 	Lesson 12.2 - Khan Academy Lesson 12.3 - Khan Academy
	9	Unit 5 - Measurement Geometry <ul style="list-style-type: none"> ● Assessment ● Module 13 - Volume - Lesson 13.1 - Volume of Cylinders 	Lesson 13.1 - Khan Academy

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	Unit 5 - Measurement Geometry	
10	<ul style="list-style-type: none">• Module 13 - Lesson 13.2 - Volume of Cones• Lesson 13.3 - Volume of Spheres	Lesson 13.2 - Khan Academy Lesson 13.3 - Khan Academy
11	Quarter Assessment	

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2015 – 2016

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Quarter 4 Mar 29 – May 26	1	Unit 6 - Statistics <ul style="list-style-type: none"> ● Module 14 - Scatter Plots - Lesson 14.1 - Scatter Plots and Association ● Lesson 14.2 - Trend Lines and Predictions ● Assessment 	Lesson 14-1 - Khan Academy Lesson 14-2 - Khan Academy
	2	Unit 6 - Statistics <ul style="list-style-type: none"> ● Module 15 - Two-Way Tables - Lesson 15.1 - Two-Way Frequency Tables ● Lesson 15.2 - Two-Way Relative Frequency Tables ● Assessment 	Lesson 15-1 - Khan Academy Lesson 15-2 - Khan Academy
	3	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> ● Module 8 - Solving Systems of Linear Equations - Lesson 8.2 - Solving Systems by Substitution 	Lesson 8-2 - Khan Academy
	4	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> ● Module 8 - Lesson 8.3 - Solving Systems by Eliminations ● Lesson 8.4 - Solving Systems by Elimination with Multiplication 	Lesson 8-3 - Khan Academy Lesson 8-4 - Khan Academy
	5	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> ● Module 8 - Lesson 8.5 - Solving Special Systems 	Lesson 8-5 - Khan Academy
	6	<ul style="list-style-type: none"> ● Performance Tasks 	
	7	<ul style="list-style-type: none"> ● Algebra 1 Prerequisites - Rate of Change and Graphing a Line 	Intro to Algebra - Khan Academy
	8	<ul style="list-style-type: none"> ● Algebra 1 Prerequisites - Solving a Systems by Graphing and distinguishing between graphs with one, zero, or infinite solutions. 	
	9	<ul style="list-style-type: none"> ● Algebra 1 Prerequisites - Exponents and Laws of Exponents ● Semester Assessment 	

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