

# Pearce 8<sup>th</sup> Grade Math Curriculum

## Quarter 1: The Number System

Cluster	Standard	Date	Topic	Work
		Th 7/28	<b>Beginning pages &amp; Assessments</b>	<b>3 NB</b>
<b>The</b>		M 8/1	Rational vs Irrational	4 NB, 1 HW
<b>Number</b>		T 8/2	Convert Fractions & Decimals & Review	4 NB, 2 HW
<b>System</b>	<b>8.NS.A.1</b>	W 8/3	<b>Irrational Numbers Quiz</b>	<b>SI Quiz</b>
		Th 8/4	Squares & Cube Roots & Review	6 NB, 2 HW
	<b>8.EE.A.2.a,b</b>	M 8/8	<b>Squares &amp; Cube Roots Quiz</b>	<b>SI Quiz</b>
		T 8/9	Find Imperfect Squares	4 NB, 1 HW
<b>(10 days)</b>		W 8/10	Compare Irrationals on a Number Line	6 NB, 2 HW
		Th 8/11	Review 2 quizzes & Unit	
	<b>8.NS.A.2</b>	M 8/15	<b>Approximations of Irrational Numbers Quiz</b>	<b>SI Quiz</b>
	<b>8.NS.A.3</b>	T 8/16	<b>Density of Real Numbers Quiz</b>	<b>SI Quiz</b>
		W 8/17	<b>Number System Unit Test</b>	<b>SI Test</b>

**Pre-Test, Benchmark 1, Edmentum Tests**

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## Quarter 1: Expressions & Equations

Cluster	Standard	Date	Topic	Work
Expressions		Th 8/18	Exponent Properties & Review	5 NB, 2 HW
&	8.EE.A.1	M 8/22	<b>Exponential Expressions Quiz</b>	<b>SI Quiz</b>
Equations		T 8/23	Scientific Notation & Converting	6 NB, 2 HW
		W 8/24	Comparing Adding & Subtracting S.N.	3 NB, 2 HW
		Th 8/25	S.N. Multiply & Divide & Review	3 NB, 2 HW
	8.EE.A.3,4	M 8/29	<b>Scientific Notation Quiz</b>	<b>SI Quiz</b>
(28 days)		T 8/30	Unit Rates on Graphs	4 NB, 1 HW
		W 8/31	Unit Rates/Slope -Graphs, Tables	3 NB, 1 HW
		Th 9/1	Graphing Linear Equations	4 NB, 1 HW
		<b>M 9/5</b>	<b>No School – Labor Day</b>	
		T 9/6	Find Slope from 2 points	4 NB, 1 HW
		W 9/7	Slope & Similar Triangles	3 NB, 2 HW
		Th 9/8	Graph using Intercepts	2 NB, 2 HW
		M 9/12	3 Solutions to Linear Equations	6 NB, 2 HW
		T 9/13	Review for 2 SI Quizzes	
	8.EE.B.5,6	W 9/14	<b>Graph Proport. &amp; Linear Relation. Quiz</b>	<b>SI Quiz</b>
	8.EE.C.7.a	Th 9/15	<b>Solutions to Linear Equations Quiz</b>	<b>SI Quiz</b>
		M 9/19	Solve variables both sides of equations	2 NB, 1 HW
		T 9/20	Distributive P & equations & Review	5 NB, 1 HW
	8.EE.C.7.b	W 9/21	<b>Solving Linear Equations Quiz</b>	<b>SI Quiz</b>
		Th 9/22	Linear Inequalities & Quiz Review	2 NB, 1 HW
	8.EE.C.7.b	M 9/26	<b>Solving Linear Inequalities Quiz</b>	<b>SI Quiz</b>
		T 9/27	Solving Equations by Graphing	3 NB, 2 HW
		W 9/28	Solving Equations by Substitution	3 NB, 1 HW
		Th 9/29	Solving Equations by Elimination	3 NB, 1 HW
		M 10/3	Solving Equations Real World & Review for quiz & Unit Test	2 NB, 1 HW
	8.EE.C.8.ac	T 10/4	<b>Systems of Equations Quiz</b>	<b>SI Quiz</b>
		W 10/5	<b>Expressions &amp; Equations Unit Test</b>	<b>SI Test</b>
		Th 10/6	<b>Early Release / Parent Conferences</b>	

**Fall Break 10/7 – 10/16**

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## Quarter 2:      Functions

Cluster	Standard	Date	Topic	Work
		M 10/17	Intro to Functions Functions from tables & graphs	2 NB, 2 HW 6 NB, 3 HW
<b>Functions</b>		T 10/18	Evaluating Functions & Review	2 NB, 2 HW
	<b>8.F.A.1</b>	W 10/19	<b>Understanding Functions Quiz</b>	<b>SI Quiz</b>
		Th 10/20	Slope	4 NB, 3 HW
		M 10/24	Finding X & Y Intercepts	5 NB, 3 HW
		T 10/25	Slope & Intercept Form & 2 Points	9 NB, 4 HW
<b>(17 days)</b>		W 10/26	Comparing Functions & Quiz Review	4 NB, 8 HW
	<b>8.F.A.2</b>	Th 10/27	<b>Compare Functions Quiz</b>	<b>SI Quiz</b>
		M 10/31	Write Functions from Tables	3 NB, 2 HW
		T 11/1	Linear vs Nonlinear	4 NB, 6 HW
		W 11/2	Review 2 Quizzes	
	<b>8.F.A.3</b>	Th 11/3	<b>Linear vs. Nonlinear Functions Quiz</b>	<b>SI Quiz</b>
	<b>8.F.B.4</b>	M 11/7	<b>Linear Relationships Quiz</b>	<b>SI Quiz</b>
		T 11/8	Describe Functions & Review	6 NB, 5 HW
	<b>8.F.B.5</b>	W 11/9	<b>Describe Functions Quiz</b>	<b>SI Quiz</b>
		<b>Th 11/10</b>	<b>No School – Veteran’s Day</b>	
		M 11/14	Review Unit Test	
		T 11/15	<b>Functions Unit Test</b>	<b>Unit Test</b>

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## Quarter 2:      Statistics & Probability

Cluster	Standard	Date	Topic	Work
		W 11/16	Scatter Plots & Review	6 NB, 2 HW
	<b>8.SP.A.1</b>	Th 11/17	<b>Scatter Plots Quiz</b>	<b>SI Quiz</b>
<b>Statistics</b>		M 11/21	<b>Trophies</b>	
<b>&amp;</b>		T 11/22	Math Game	
<b>Probability</b>		<b>W 11/23</b>	<b>Thanksgiving Break</b>	
		<b>Th 11/24</b>	<b>Thanksgiving Break</b>	
<b>(10 days)</b>		M 11/28	Best Line of Fit & Quiz Review	4 NB, 1 HW
		T 11/29	Best Fit Functions & Interpret S.P.	4 NB, 5 HW
	<b>8.SP.A.2,3</b>	W 11/30	<b>Best Fit Linear Models Quiz</b>	<b>SI Quiz</b>
		Th 12/1	Two Way Tables & Quiz Review	4 NB, 2 HW
	<b>8.SP.A.4</b>	M 12/5	<b>Two-Way Tables Quiz</b>	<b>SI Quiz</b>
		T 12/6	Sample Spaces/ Indep. vs Dep. Prob. & Review for quiz & Unit	5 NB, 5 HW
	<b>8.SP.B.5.ac</b>	W 12/7	<b>Compound Events Quiz</b>	<b>SI Quiz</b>
		Th 12/8	<b>Statistics &amp; Probability Unit Test</b>	<b>SI Test</b>
		M 12/12	Edmentum	
		T 12/13	Benchmark 2 Test	
		W 12/14	Benchmark 2 Test	
		Th 12/15	<b>Christmas Craft Fair/Party?</b>	

## Benchmark 2

**Christmas Break 12/16 – 1/1**

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## Quarter 3:      Geometry

Cluster	Standard	Date	Topic	Work
		<b>M 1/2</b>	<b>Field Trip?</b>	
		T 1/3	Transformations & Quiz Review	3 NB, 1 HW
	<b>8.G.A.1</b>	W 1/4	<b>Object Transformations Quiz</b>	<b>SI Quiz</b>
		Th 1/5	Congruence & Quiz Review	3 NB, 4 HW
<b>Geometry</b>	<b>8.G.A.2</b>	M 1/9	<b>Congruence Quiz</b>	<b>SI Quiz</b>
		T 1/10	Dilations	2 NB, 1 HW
		W 1/11	4 Types of Transformations by Rules	4 NB, 3 HW
<b>(31 days)</b>		Th 1/12	Multiple Transformations	4 NB, 2 HW
		<b>M 1/16</b>	<b>No School – MLK Day</b>	
		T 1/17	Effect of Transformations Quiz Review	
	<b>8.G.A.3</b>	W 1/18	<b>Effect of Transformations Quiz</b>	<b>SI Quiz</b>
		Th 1/19	Similarity & Quiz Review	2 NB, 3 HW
	<b>8.G.A.4</b>	M 1/23	<b>Similarity Quiz</b>	<b>SI Quiz</b>
		T 1/24	Similar Triangles & Quiz Review	2 NB, 2 HW
	<b>8.G.A.5</b>	W 1/25	<b>Similar Triangles Quiz</b>	<b>SI Quiz</b>
		Th 1/26	Triangle Angle Sum Theory	3 NB, 2 HW
		M 1/30	Triangle Exterior Angle Theorem	4 NB, 2 HW
		T 1/31	Angle Relationships from Transversals	4 NB, 2 HW
		W 2/1	Find Missing Angles from Transversals	5 NB, 1 HW
		Th 2/2	Angles & Lines Quiz Review	
	<b>8.G.A.5</b>	M 2/6	<b>Angles &amp; Lines Quiz</b>	<b>SI Quiz</b>
		T 2/7	Pythagorean Theorem	4 NB, 2 HW
		W 2/8	PT on Coordinate Plane & Quiz Review	3 NB, 2 HW
		<b>Th 2/9</b>	<b>Gem &amp; Mineral Show Field Trip?</b>	
	<b>8.G.B.6,7</b>	M 2/13	<b>Pythagorean Theorem Quiz</b>	<b>SI Quiz</b>
		T 2/14	Distance on Coordinate Planes	2 NB, 2 HW
		W 2/15	Distance Quiz Review	
	<b>8.G.B.8</b>	Th 2/16	<b>Distance Quiz</b>	<b>SI Quiz</b>
		<b>M 2/20</b>	<b>No School – President's Day</b>	
		T 2/21	Volume Prisms & Cylinders	4 NB, 2 HW
		W 2/22	Volume of Cones, Pyramids & Spheres	4 NB, 2 HW
		Th 2/23	Volume Quiz Review	

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Quarter 3:      Geometry

Cluster	Standard	Date	Topic	Work
		M 2/27	Volume Quiz	SI Quiz
		T 2/28	Review Unit	
		W 3/1	<b>Geometry Unit Test</b>	<b>Unit Test</b>
		Th 3/2	Teddy Bear Towers Blueprint/Rules	
		M 3/6	Teddy Bear Towers	
		T 3/7	Teddy Bear Towers	
		W 3/8	Teddy Bear Towers Competition	
		Th 3/9	<b>Early Release / Parent Conferences</b>	

**Spring Break 3/10 – 3/19**

# Pearce 8<sup>th</sup> Grade Math Curriculum

Quarter 4: Prepare for Testing

**Tentative Schedule - waiting on new Testing Schedule**

Cluster	Standard	Date	Topic	Work
		M 3/20	Review Unit 1 Test	
		T 3/21	Review Unit 2 Test	
		W 3/22	Review Unit 3 Test	
		Th 3/23	Review Unit 4 Test	
		M 3/27	Review Unit 5 Test	
		T 3/28	<b>State 8th Science Test Part 1</b>	
		W 3/29	<b>State 8th Science Test Part 2</b>	
		Th 3/30	Review Benchmark 1	
		M 4/3	Review Benchmark 2	
		T 4/4	Review Pretest	
		W 4/5	<b>Writing AASA</b>	
		Th 4/6	<b>Do Post Test</b>	
		M 4/10	<b>Practice AASA</b>	
		T 4/11	<b>Math AASA Part 1</b>	
		W 4/12	<b>Reading AASA Part 1</b>	
		Th 4/13	Practice Problems	
		M 4/17	Practice Problems	
		T 4/18	<b>Math AASA Part 2</b>	
		W 4/19	<b>Reading AASA Part 2</b>	
		Th 4/20	Escape Room?	

**April 20 - May 18 Fun Activities**

**May 17 6 pm Graduation!**

**May 18 Last Day of School!**