



Glencoe: *Math Connects*, Grade 8 Pacing Guide 2009-2010



Unit 1: Number & Operations: Rational and Real Numbers				
Chapter	Section	Title:	WA Math Stds.	Days
Chapter ONE: Algebra: Integers	Introduction	Scavenger Hunt		1
	Getting Ready	Anticipation Guide/Foldable		1
	1-1	PSI Strategies	8.5 A-H	1
	1-2	Order of Operation	8.1.A	2
	1-3	Integers and Absolute Value	7 th Grade Std.	1
	1-4	Adding Integers	7 th Grade Std.	1
	Formative Assessment	Quiz #1		.5
	1-5	Subtracting Integers	7 th Grade Std.	2
	Formative Assessment	Quiz #2		.5
	1-6	Multiplying & Dividing Integers	7 th Grade Std.	1
	1-7	Writing Equations	8.1.F	2
	Formative Assessment	Quiz #3		.5
	1-9	Solving Addition & Subtraction Equations	8.1.A	1
	1-10	Solving Multiplication and Division Equations	8.1.A	2
	Formative Assessment	Quiz #4		.5
	Summative Assessment	Chapter Test		3
	Totals Days – Target Completion:			
Chapter	Section	Title:	WA Math Stds.	Days
Chapter TWO: Algebra: Rational Numbers	2-1	Rational Numbers	8.4.D	3
	2-2	Comparing & Ordering Rational Numbers	8.4.D	1
	2-3	Multiplying Positive and Negative Fractions	6 th & 7 th Grade Stds.	2
	Formative Assessment	Quiz #1		.5
	2-4	Dividing Positive and Negative Fractions	Not in standards, but needed!	1
	2-5	Adding and Subtracting Like Fractions	5 th Grade Stds.	2
	Formative Assessment	Mid-Chapter Quiz		.5
	2-6	Adding and Subtracting Unlike Fractions	5 th Grade Stds.	1

	2-7	Solving Equations with Rational Numbers	8.1.A	1
	Formative Assessment	Quiz #3		.5
	Summative Assessment	Chapter Test		2
	Totals Days:			15
Chapter:	Section	Title:	WA Math Stds.	Days:
Chapter THREE: Real Numbers and the Pythagorean Theorem	3-1	Square Roots	8.2.E 8.4.D	2
	3-2	Estimating Square Roots	8.2.E	1
	3-3	PSI: Analyze the Strategy	8.5.A-H	1
	3-4	The Real Number System	8.4.D	2
	Formative Assessment	Quiz #1 & #2		.5
	Formative Assessment	Mid-Chapter Quiz		.5
	3-5	The Pythagorean Theorem	8.2.F 8.2.G	1
	3-6	Using the Pythagorean Theorem	8.2.F 8.2.G	2
	Formative Assessment	Quiz #3		.5
	3-7	Geometry: Distance on the Coordinate Plane	8.2.G	3
	Formative Assessment	Quiz #4		.5
	Summative Assessment	Chapter Test		2
	Total Days:			16

Unit 2:		Geometry and Measurement		
Chapter:	Section:	Title:	WA Math Stds:	Days:
Chapter SIX: Geometry and Spatial Reasoning	6-1	Line and Angle Relationships	8.2.A 8.2.B 8.2.C	4
	6-3	Polygons & Angles	8.2.C	1
	4-6	PSI: Solve Problems by Drawing a Diagram	8.5.A-H	1
	6-5	Symmetry	5 th Grade Std.	1
	6-6	Reflections	8.2.D	2
	6-7	Translations	8.2.D	2
	4-8	Dilations	8.2.D	2
	Summative Assessment			3
Totals Days:			16	

Unit 3: Algebraic Thinking: Linear and Nonlinear Functions				
Chapter	Section	Title:	WA Math Stds.	Days
Chapter EIGHT: Algebra: More Equations and Inequalities	8-1	Introduction & Simplifying Algebraic Expressions	8.1.A	4
	8-2	Solving Two-Step Equations	8.1.A	2
	Formative Assessment	Mini-Quiz #1		.5
	8-3	Writing Two-Step Equations	8.1.A	1
	8-4	Solving Equations with Variables on each Side	8.1.A	1
	Formative Assessment	Mid-Chapter Quiz		.5
	8-6	Inequalities	8.1.B	1
	8-7	Solving Inequalities by Adding or Subtracting	8.1.B	2
	8-8	Solving Inequalities by Multiplying or Dividing	8.1.B	2
	Summative Assessment	Chapter Test		2
Totals Days:				16

Chapter	Section	Title:	WA Math Stds.	Days
Chapter NINE: Algebra: Linear Functions	9-2	Introduction & Functions	8.1.G	2
	9-3	Representing Linear Functions	8.1.C	1
	9-4	Slope	8.1.D	2
	Formative Assessment	Mid-Chapter Quiz		.5
	9-6	Slope-Intercept Form	8.1.E	2
	9-9	Scatter Plots	8.3.C	2
	Formative Assessment	Mini-Quiz #3 & #4		.5
	10-1	Linear & Non-Linear Functions	8.1.G	1
	Summative Assessment	Chapter Test		2
Totals Days:				13

Chapter	Section	Title:	WA Math Stds.	Days
Chapter TEN: Algebra: Nonlinear Functions and Polynomials	2-9	Powers & Exponents	8.4.C	1
	10-5	Introduction & Multiplying Monomials	8.4.C	1
	10-6	Dividing Monomials	8.4.C	1
	2-10	Scientific Notation	8.4.A 8.4.B	2
	10-7	Powers of Monomials	8.4.C	1
	Formative Assessment	Test		1
Totals Days:				7

Unit 4: Statistics, Data Analysis & Probability				
Chapter	Section	Title:	WA Math Stds.	Days
Chapter ELEVEN: Statistics	Introduction			1
	11-1	PSI: Make a Table	8.5.A-H	1
	11-2	Histograms	8.3.B	1
	Formative Assessment	Mini-Quiz #1		.5
	11-3	Circle Graphs	8.3.B	2
	11-4	Measures of Central Tendency and Range	8.3.A 8.3.D	2
	Formative Assessment	Mini-Quiz #2		.5
	11-5	Measures of Variation	8.3.A	1
	11-6	Box-and-Whisker Plots	8.3.B	2
	Formative Assessment	Mini-Quiz #3		.5
	11-7	Stem-and-Leaf Plots	8.3.B	1
	11-8	Select an Appropriate Display	8.3.B 8.3.D	1
	Formative Assessment	Mini-Quiz #4		.5
	Summative Assessment	Chapter Test		3
Totals Days:				17

Chapter	Section	Title:	WA Math Stds.	Days
Chapter TWELVE: Probability	12-1	Counting Outcomes	8.3.G	2
	12-2	Probability of Compound Events	8.3.F	3
	12-3	Experimental and Theoretical Probability	8.3.F	2
	12-4	PSI: Act it Out	8.5.A-H	1
	Formative Assessment	Mid-Chapter Quiz		.5
	12-5	Using Sampling to Predict	8.3.E	2
	Summative Assessment			2
Totals Days:				13

Notes from Collaboration:

Problem Solving Strategies will be reinforced throughout word problems in text.

WA State Math Standards ----- Verification Form:

Core Additional Content:	WA State Math Standards	Chapter - Section	Date
Linear Functions and Equations	8.1.A	1-2, 1-9, 1-10, 2-7, 8-1, 8-2, 8-3, 8-4	
	8.1.B	8-6, 8-7, 8-8	
	8.1.C	9-3	
	8.1.D	9-4	
	8.1.E	9-6	
	8.1.F	1-7	
	8.1.G	9-2,10-1	
Properties of Geometric Figures	8.2.A	6-1	
	8.2.B	6-1	
	8.2.C	6-1, 6-3	
	8.2.D	6-6, 6-7, 4-8	
	8.2.E	3-1, 3-2	
	8.2.F	3-5, 3-6	
	8.2.G	3-5, 3-6, 3-7	
Summary & Analysis of Data Sets	8.3.A	11-4	
	8.3.B	11-2, 11-3, 11-6, 11-7, 11-8	
	8.3.C	9-9,	
	8.3.D	11-4, 11-8	
	8.3.E	12-5	
	8.3.F	12-2, 12-3,	
	8.3.G	12-1	
Additional Key Content	8.4.A	2-10	
	8.4.B	2-10	
	8.4.C	2-9, 10-5, 10-6, 10-7	
	8.4.D	2-1, 2-2, 3-1, 3-4	
Reasoning, Problem Solving & Communications	8.5.A	1-1, 3-3, 4-6, 11-1, 12-4	
	8.5.B	1-1, 3-3, 4-6, 11-1, 12-4	
	8.5.C	1-1, 3-3, 4-6, 11-1, 12-4	
	8.5.D	1-1, 3-3, 4-6, 11-1, 12-4	
	8.5.E	1-1, 3-3, 4-6, 11-1, 12-4	
	8.5.F	1-1, 3-3, 4-6, 11-1, 12-4	
	8.5.G	1-1, 3-3, 4-6, 11-1, 12-4	
	8.5.H	1-1, 3-3, 4-6, 11-1, 12-4	