

Algebra 1, Learning Log

Name: _____

Ch. 1		<u>Big Idea:</u> Working with Real Numbers	<u>Enduring Understanding:</u> Familiar arithmetic operations can be extended to new groups of numbers.	<u>Enduring Question:</u> How do I work with these kinds of numbers?	
Day	Title	Concept	Learning Targets (What should I know, be able to do, what attitude should I have?)	How Am I Doing? 3 = I got it right! 2 = I knew how but I made a small mistake. 1 = I tried but I didn't know what to do. 0 = I had no clue/I didn't try.	Assignments/Learning Activities
0		Welcome	a. Exploring Patterns		<input type="checkbox"/> Growing Dots
1	1.1	Set of Real Numbers	b. I know there are different groups of numbers. c. I can identify and order real numbers.		<input type="checkbox"/> 1.1, p. 7: 1-2, 5-18 all, 22, 23 <input type="checkbox"/> p. 61: 1,2,4
2	1.2	Sequences	a. I recognize patterns in number lists. b. I can distinguish between geometric and arithmetic sequences. c. I can continue arithmetic and geometric sequences		<input type="checkbox"/> 1.2, p. 11: 1,2, 5-7, 9-11, 13-15, 17-19, <input type="checkbox"/> 1.1, p. 8: 19-21, 24-25 <input type="checkbox"/> p. 66:15
Quiz 1.1-1.2		Score: ____ Poss. ____	What do I need help with?		
3	1.3	Absolute Value	a. I know that absolute value is distance on a number line. b. I can use absolute value to compare real numbers. c. I can evaluate numerical expressions with absolute value		<input type="checkbox"/> Lab, Pulse Rate <input type="checkbox"/> 1.3, p. 16: 1, 2, 5-8, 10-12, 14-20, 23-26 <input type="checkbox"/> 1.2, p. 11: 8, 12, 16 <input type="checkbox"/> 1.1, p. 7: 3, 4
4	1.4	Add, Sub Real Numbers	a. I know that familiar rules of addition and subtraction can be extended to the real numbers. b. I can add and subtract real numbers.		<input type="checkbox"/> 1.4, p. 24: 1, 6-15, 18-27, 32-35 (no calculator on any problems today) <input type="checkbox"/> 1.3, p. 16: 9, 13, 21, 22, 27, 28 <input type="checkbox"/> 1.2, p. 3,4, 20 <input type="checkbox"/> 1.1, p. 8: 26 <input type="checkbox"/> p. 68: 19
Quiz 1.3-1.4		Score:	What do I need help with?		

5	1.5	Mult, Divide Real Numbers	<p>a. I know that familiar rules of multiplication and division can be extended to the real numbers.</p> <p>b. I can multiply add divide real numbers.</p>	<input type="checkbox"/> 1.5, p. 30: 1-3, 6-17, 24-29 <input type="checkbox"/> 1.4, p. 24: 16, 17, 28-31, 36, 38 <input type="checkbox"/> 1.3, p. 16: 29,30 <input type="checkbox"/> 1.2, p. 12: 21-22 <input type="checkbox"/> p. 75: 33
6	1.7	Scientific Notation	<p>a. I understand why and when scientific notation is used.</p> <p>b. I can read and write numbers in scientific notation.</p> <p>c. I can multiply and divide using scientific notation.</p>	<input type="checkbox"/> 1.7, p. 42: 1,2, 6-12, 16-20, 26-29, 32, 33, 39 <input type="checkbox"/> 1.5, p. 30: 18-23, 30-31 <input type="checkbox"/> 1.4: p. 24: 5, 37, 40 <input type="checkbox"/> 1.3: p. 16: 31 <input type="checkbox"/> p. 69: 22
Quiz 1.5-1.7		Score:	What do I need help with?	
7	1.8	Evaluating and Writing Numerical and Algebraic Expressions	<p>a. Students will be able to evaluate numerical expressions using the order of operations</p> <p>b. Students will be able to evaluate algebraic expressions using the order of operations</p> <p>c. Students will write algebraic expressions given word phrases</p>	<input type="checkbox"/> 1.8, p. 47: 1, 2, 5-17, 19-22, 30-32 <input type="checkbox"/> 1.7, p. 42: 13-15, 21-25 <input type="checkbox"/> 1.5, p. 30: 5, 32 <input type="checkbox"/> 1.4, p. 25: 41 <input type="checkbox"/> Lab, Counting Grains of Sand
8	1.9	Equations and Formulas	<p>a. Students will be able to solve for missing values in formulas.</p> <p>b. Students will know what an algebraic equation is.</p> <p>c. Students will know the four problem solving steps.</p>	<input type="checkbox"/> 1.9, p. 54: 1, 3, 5, 6, 8, , 12-18 <input type="checkbox"/> 1.8, p. 47: 3, 4, 23-27 <input type="checkbox"/> 1.7, p. 42: 5, 15, 36-38 <input type="checkbox"/> 1.5, p. 31: 33, 34 <input type="checkbox"/> p. 62: 5
Quiz 1.8-1.9		Score:	What do I need help with?	