

## Algebra 1, Learning Log

Name: \_\_\_\_\_

<b>Ch. 1</b>		<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? A= I knew how and got it right B= I knew how, but small error C= I had no idea/guessed right D= I had no idea/guessed wrong	Assessments/Learning Activities
1	1.1	Set of Real Numbers	a. I know there are different groups of numbers. b. I can identify and order real numbers.		1.1, p. 7: 1-2, 5-18 all, 22, 23 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		1.2, p. 11: 1,2, 5-7, 9-11, 13-15, 17-19, 1.1, p. 8: 19-21, 24-25 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		Lab, Pulse Rate 1.3, p. 16: 1, 2, 5-8, 10-12, 14-20, 23-26 1.2, p. 11: 8, 12, 16 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.		1.4, p. 24: 1, 6-15, 18-27, 32-35 (no calculator on any problems today) 1.3, p. 16: 9, 13, 21, 22, 27, 28 1.2, p. 3,4, 20 1.1, p. 8: 26 p. 68: 19
Quiz 1.3-1.4		Score: ____ Poss. ____	What do I need help with?		
5	1.5	Mult, Divide Real Numbers	a. I know that familiar rules of multiplication and division can be extended to the real numbers. b. I can multiply add divide real numbers.		1.5, p. 30: 1-3, 6-17, 24-29 1.4, p. 24: 16, 17, 28-31, 36, 38 1.3, p. 16: 29,30

					1.2, p. 12: 21-22 p. 75: 33
6	1.7	Scientific Notation	<ul style="list-style-type: none"> <li>a. I understand why and when scientific notation is used.</li> <li>b. I can read and write numbers in scientific notation.</li> <li>c. I can multiply and divide using scientific notation.</li> </ul>		1.7, p. 42: 1,2, 6-12, 16-20, 26-29, 32, 33, 39 1.5, p. 30: 18-23, 30-31 1.4: p. 24: 5, 37, 40 1.3: p. 16: 31 p. 69: 22
Quiz 1.5-1.7		Score: ____ Poss. ____	What do I need help with?		
7	1.8	Evaluating and Writing Numerical and Algebraic Expressions	<ul style="list-style-type: none"> <li>a. Students will be able to evaluate numerical expressions using the order of operations</li> <li>b. Students will be able to evaluate algebraic expressions using the order of operations</li> <li>c. Students will write algebraic expressions given word phrases</li> </ul>		1.8, p. 47: 1, 2, 5-17, 19-22, 30-32 1.7, p. 42: 13-15, 21-25 1.5, p. 30: 5, 32 1.4, p. 25: 41  Lab, Counting Grains of Sand
8	1.9	Equations and Formulas	<ul style="list-style-type: none"> <li>a. Students will be able to solve for missing values in formulas.</li> <li>b. Students will know what an algebraic equation is.</li> <li>c. Students will know the four problem solving steps.</li> </ul>		1.9, p. 54: 1, 3, 5, 6, 8, , 12-18 1.8, p. 47: 3, 4, 23-27 1.7, p. 42: 5, 15, 36-38 1.5, p. 31: 33, 34 p. 62: 5
Quiz 1.8-1.9		Score: ____ Poss. ____	What do I need help with?		
9	Review		<input type="checkbox"/>		p. 78: 1-9, 12-22 p. 81: 1, 2, 4-10
10	Test	Score: ____	What do I need help with?		