

Chapter 1

Big Ideas:

- ◇ Mathematical processes with expressions, equations, and inequalities.
- ◇ How are expressions and equations similar? How are they different?
- ◇ How are inequalities and equations similar? How are they different?
- ◇ Solving for unknowns in absolute value equations and compound inequalities.

Section:	Students will be able to:	Pages:	Problem #'s	Score
Foundation Layer	1.2	Identify Properties of Real Numbers	Choose 1 Assignment Below	Notes /2
		<input type="checkbox"/> Graph and Order Real Numbers	Worksheet	/4
		<input type="checkbox"/> Identify properties of Real Numbers		
	1.3	Evaluating Algebraic Expressions and Simplify Algebraic Expressions	Choose 1 Assignment Below	Notes /2
		<input type="checkbox"/> Explain how do algebraic expressions represent mathematical phrases and real-world quantities?	Worksheet	/4
		<input type="checkbox"/> Explain the difference between evaluating and simplifying?		
		<input type="checkbox"/> Model simple situations using basic expressions		
		<input type="checkbox"/> Explain the parts that make up Algebraic Expressions.	Problems from Textbook	
		<input type="checkbox"/> Simplify and Evaluate algebraic expressions		
	<input type="checkbox"/> Evaluate algebraic expressions			
	1.4	Solve Equations and Solve problems by writing equations	Choose 1 Assignment Below	Notes /2
		<input type="checkbox"/> Explain how an equation is different from an expression	Worksheet	/4
<input type="checkbox"/> Solve for a variable "in terms of" other variables				
<input type="checkbox"/> Does an equation always have to have a solution?	Problems from Textbook			
<input type="checkbox"/> Explain the properties of equality and why they are important.				

Due Date : 8/31/2017 | Check Points : 8/21: ___ Through 1.3 8/28: ___ Through 1.5

Foundation Layer		Solve and graph inequalities and Write and solve compound inequalities	Choose 1 Assignment Below	Notes /2
	1.5	<input type="checkbox"/> Explain how an equation is different from an inequality <input type="checkbox"/> Explain the properties of inequalities and why they are important. <input type="checkbox"/> Explain the difference between the solution of an equation and the solution of an inequality <input type="checkbox"/> Explain when inequalities are used <input type="checkbox"/> Explain what the difference is between a complex inequality and an inequality. <input type="checkbox"/> Explain what are the two types of complex inequalities and how do they differ	Worksheet	/4
			Problems from Textbook	
		Write and solve Equations and Inequalities involving Absolute Values	Choose 1 Assignment Below	Notes /2
1.6	<input type="checkbox"/> Explain how many solutions an Absolute value equation can have. <input type="checkbox"/> Solve a multistep Absolute Value Equation <input type="checkbox"/> Explain what an extraneous solution is and how to check for one. <input type="checkbox"/> Solve a multistep Absolute Value Inequality	Worksheet	Problems from Textbook	/4
Application Layer	We will do this Chapter's Application Layer together as a class.			
Design Layer	Write a "Wiki How" Article on how to use a skill from 1.1-1.6. Make sure to include pictures and explanations!	Choose your own Project (circle choice):		
	Create a Quiz that tests skills from 1.1-1.6. Include a worked out solution guide as well as a brief explanation of why you chose each problem.			
Review	Cumulative Review			
Test	Cumulative Test			%
	<i>Includes: Skills from Ch.1.3 - 1.6</i>			

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August 2017



SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30	31	1	2	3	4	5
<i>At School</i>						
HOMEWORK						
6	7	8	9	10	11	12
<i>At School</i>				First Day!	1.2 Activity	
HOMEWORK				None	None	
13	14	15	16	17	18	19
<i>At School</i>	Guided Videos 1.3	Work On 1.3	Work On 1.3	Work on 1.4	1.4 Activity	
HOMEWORK	Finish 1.2	1.4 NOTES (all)	1.4 NOTES (all)	1.5 NOTES (all)		
20	21	22	23	24	25	26
<i>At School</i>	Work on 1.5	1.4 Activity (PE)	1.4 Activity (PE)	1.5 Activity	Work on 1.6	
HOMEWORK	✓ 1.2-1.3			1.6 NOTES (all)		
27	28	29	30	31	1	2
<i>At School</i>	Work on 1.6	Review Ch. 1	Review Ch. 1	Ch. 1 Test	Design Layer Due	
HOMEWORK	✓ 1.4-1.5	✓ 1.6	✓ 1.6			