Name: _____   Block: _____   Date: _____

Pathway: 6.EE.5-9 Equations & Inequalities   **DUE IN CLASS,**
Friday, 12/16

Time on task									
10	9	8	7	6	5	4	3	2	1

Agreements:
1. I will **label and show my work** for each activity in my notebook. I will glue, staple, or tape in any activity that is on a separate sheet of paper. I understand that if my notebook is not organized or if I do not show my work, I will lose points on my assignments.
2. If I have a question, I will **ask three classmates** *before* I ask my teacher.
3. At the stop signs, I will make sure **my teacher checks my work** before I move on. I know she wants to make sure I understand the information I am learning.

HOMEWORK: None this week

CLASSWORK: All assignments can be found below.   *Please* let your teacher know ASAP if you don't have access to a computer or the internet at home so he/she can provide you with resources.

	Go to:	**Evidence of Understanding**:
Test Review: 6.EE.5-9 Practice Test	**Grab a copy of the quiz reflection sheets. You should complete a reflection for each problem missed**, regardless of whether or not you made mastery.	*Have your teacher initial your reflections when completed in full. Please attach to this sheet.* **Teacher Initial: _____**
Inequalities	Visit: **https://www.brainpop.com/math/algebra/inequalities** **Login using: PS161** **Watch the movie and take the quiz.**	Students must get a 100% to receive credit. You may take the quiz as many times as needed. Please show the results to your teacher when complete. **Teacher Initial: _____**
How do we solve one step equations?	Visit....**www.nearpod.com** **Miss Guy's Math classes: Use code XMKUD** Mrs. Miele's Math classes: Use code TSJID Mr. Wernecke's Math classes: Use code TCESR **Mrs. Ward's Math classes: Use FKRQD**	Students will receive credit based on active participation on all activities. All answers and time are logged in the NearPod System. **Teacher Initial: _____**
Two Step Equations: **Quizziz**	Visit: www.join.quizziz.com Novice: 264409 Apprentice: 226503 Practitioner: 339823 Expert: 748487	Please take the quiz until you receive a 100%. Please show the results page to your teacher. **Teacher Initial: _____**

Independent Practice Time: Student will be able to solve equations and inequalities.	Complete the "Equations and Inequalities Study Guide"Booklet. → Check answers using solution wall.	Please complete all activities and have your teacher review and initial off for completion and accuracy. Attach to this sheet. **Teacher Initial:** ____

Write About It	**Write About It: Choose One Writing Prompt Below**
	1. **Explain** in words how you would solve the following problem **using complete sentences**:
	
	y is equal to the product of 2 and x minus 4
	Mathematical Translation:
	_____
	
	<table><tr><td>x</td><td>y</td></tr><tr><td>4</td><td></td></tr><tr><td>6</td><td></td></tr><tr><td>10</td><td></td></tr><tr><td>20</td><td></td></tr></table>
	Use complete sentences.
	2. **Create** 5 written scenarios to describe the following inequalities: **Use complete sentences.**
	   a. $14 \geq a$
	   b. $60 < b$
	   c. $-14 > c$
	   d. $12 \leq d$
	
	3. **Prove** to a classmate using **complete sentences** the difference in using open and closed circles when plotting inequalities on a number line. Also include how you know which direction the plotted inequality should go.
		When you are done, please have your teacher review and initial off for completion and accuracy.
		Teacher Initial: ____

NOVICE: I'm struggling	**APPRENTICE: I'm OK**

Vocabulary: What makes something an equation? What makes something an inequality? What are each of these symbols represent: <, >, ≥, and ≤? Create inequality for each of these example.

Equations: What is the value of 'x'? Explain how you know your answer is correct.

$$x + 2 = 12$$

Inequalities: What are three solutions for 'y'. Explain how you know your answers are correct.

$$y \leq 6$$

Word Problem: Joey had 26 papers in his desk. His teacher gave him some more and now he has 100. How many papers did his teacher give him? Write an equation that represents this problem.

Explain: Explain the steps you took while solving the word problem above.

Create: Make up and solve your own related equality and inequality problems.

Higher Order Thinking Questions: How do equalities and inequalities relate to the real word? What are common mistakes students have when solving these types of problems?

Vocabulary: What makes something an equation? What makes something an inequality? What are each of these symbols represent: <, >, ≥, and ≤? Create inequality for each of these example.

Equations: What is the value of 'x'? Explain how you know your answer is correct.

$$x - 4 = 12$$

Inequalities: What are three solutions for 'y'. Explain how you know your answers are correct.

$$y \geq 6$$

Word Problem: Zoey ran 2 miles on Monday, 5 miles, on Wednesday, and 4 miles on Friday. By the end of the week she needs to run a total of 20 miles. How many miles does Zoey need to run to reach her goal? Write an equation that represents this problem.

Explain: Explain the steps you took while solving the word problem above.

Create: Make up and solve your own related equality and inequality problems.

Higher Order Thinking Questions: How do equalities and inequalities relate to the real word? What are common mistakes students have when solving these types of problems?

PRACTITIONER: I'm good

Vocabulary: What makes something an equation? What makes something an inequality? What are each of these symbols represent: <, >, ≥, and ≤? Create inequality for each of these example.

Equations: What is the value of 'x'? Explain how you know your answer is correct.

$$3x + 15 = 45$$

Inequalities: What are three solutions for 'y'. Explain how you know your answers are correct.

$$y/3 \leq 6$$

Word Problem: Chloe paid $30 for her Carowinds ticket. Chloe also has to pay $4 for every ride she goes on. If by the end of the day, she spent $50, how many rides did she go on? Write an equation that represents this problem.

Explain: Explain the steps you took while solving the word problem above.

Create: Make up and solve your own related equality and inequality problems.

Higher Order Thinking Questions: How do equalities and inequalities relate to the real word? What are common mistakes students have when solving these types of problems?

EXPERT: I'm great

Vocabulary: What makes something an equation? What makes something an inequality? What are each of these symbols represent: <, >, ≥, and ≤? Create inequality for each of these example.

Equations: What is the value of 'x'? Explain how you know your answer is correct.

$$3x + 6 = -12$$

Inequalities: What are three solutions for 'y'. Explain how you know your answers are correct.

$$(y \div 2) - 4 \leq -6$$

Word Problem: The equation 0.44 s = 11 where 's' represents the number of stamps in a booklet. The booklet of stamps costs 11 dollars and each stamp costs 44 cents. How many stamps are in the booklet?

Explain: Explain the steps you took while solving the word problem above.

Create: Make up and solve your own related equality and inequality problems.

Higher Order Thinking Questions: How do equalities and inequalities relate to the real word? What are common mistakes students have when solving these types of problems?

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