

Pathway: 6.EE.1-4 Expressions & Equations Reloop
11/04

DUE IN CLASS, Friday,

<i>Time on task</i>									
o10	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: Complete Week 8 Homework Sheet by 11/10.

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.

	<u>Go to:</u>	<u>Evidence of Understanding:</u>
Test Review: 6.EE.1-4	Grab a copy of the quiz reflection sheets. <u>You should complete a reflection for each problem missed, regardless of whether or not you made mastery.</u>	<i>Have your teacher initial your reflections when completed in full.</i> Teacher Initial: _____
How do we use Like Terms and Distributive Property to simplify expressions?	Visit.... www.nearpod.com Miss Guy's Math classes: Use code YBRWO Mrs. Miele's Math classes: Use code TVZSQ Mr. Wernecke's Math classes: Use code UZKXE Mrs. Ward's Math classes: ZTYWH	Students will receive credit based on active participation on all activities. All answers and time are logged in the NearPod System. Teacher Initial: _____
Quizziz: Combining Like Terms	Type http://join.quizizz.com into your browser. Select the level that best describes you based on your test score. 59% or less.....Novice: 586057 60 to 75%.....Apprentice: 632874 75 to 89%.....Practitioner: 252528 90% or more...Expert: 438609	Students will complete with a proficiency of 80% or higher. You may rejoin and try again to improve your score. Answers are recorded digitally. Teacher Initial: _____
Distribution: Khan Academy	Novice: Work on Khan Academy activity called "Testing Solutions to Equations" Apprentice: Work on Khan Academy activities called "Testing Solutions to Equations" Practitioner: Work on Khan Academy activities called "One step Addition and Subtraction Equations" Expert: Work on Khan Academy activities called "One step Addition and Subtraction Equations: Fractions & Decimals"	Students should achieve "Practiced" on the assigned section. Teacher Initial: _____

<p style="text-align: center;">Independent Practice Time</p>	<p>Select one of the following cards from your level based on the area that you need the most support:</p> <ul style="list-style-type: none"> ● Reading, Writing, and Solving Expressions ● Distributive Property and Combining Like Terms 	<p>When you are done, please have your teacher review and initial off for completion and accuracy.</p> <p style="color: magenta;">Teacher Initial: _____</p>
<p style="text-align: center;">Extension</p>	<p>Choose 1 of the 3 Options Below:</p> <ol style="list-style-type: none"> 1. Create a Presentation that shows the steps to solving problems that included exponents, expressions, distributive property, and combining like term problems 2. Create Your Own Kahoot Quiz. Your quiz must contain a 2 question per objective above. You must create an answer key to go with the quiz. 3. Create and solve five different algebraic expressions. For each expression, write it in words two different ways. 	<p>When you are done, please have your teacher review and initial off for completion and accuracy.</p> <p style="color: magenta;">Teacher Initial: _____</p>
<p style="text-align: center;">Write About It</p>	<p>Write About It: Choose One Writing Prompt Below</p> <ol style="list-style-type: none"> 1. Explain in words how you would simplify the following problem: $2(x + 12) - 6y + 6x - 12(23 - 11x)$ Use complete sentences. 2. Prove to a classmate why it is helpful using the rainbow and shapes method when solving problems using the distributive property and combining like terms. Use complete sentences. 3. Show using words how you would solve the following two expressions when $a = -4 \text{ and } b = -6.$ $4ab + 5b^2$ $4(a + b) - ba^3$ Use complete sentences. 	<p>When you are done, please have your teacher review and initial off for completion and accuracy.</p> <p style="color: magenta;">Teacher Initial: _____</p>

Reading, Writing, and Solving Expressions (6.EE.2)

Objective Task: Student will be able to read, write, and solve expressions.

Video Help:

<https://www.youtube.com/watch?v=0RhQcinL0g0>

https://www.youtube.com/watch?v=YgHV9_3iqdM

<p style="text-align: center;">NOVICE: I'm struggling (0-39%) EOG Level 1</p> <p>Vocabulary: What is a variable, constant, coefficient, expression, and substitution? How do each of these vocabulary words relate to the questions below?</p> <p>Reading: Write the following two different ways with words: $5x + 8$</p> <p>Writing: Write the following as an algebraic expression: Three more than five times a number.</p> <p>Solving: Solve $ab + b^3$ when $a = 2$ and $b = 3$. Be sure to show all work.</p> <p>Explain: Explain the steps you took while solving the expression above.</p> <p>Create: Make up and solve your own related reading, writing, solving, and explain problems.</p> <p>Higher Order Thinking Questions: How do expressions relate to real life? What are common mistakes students have when solving these types of problems?</p>	<p style="text-align: center;">APPRENTICE: I'm OK (40-59%) EOG Level 2/3</p> <p>Vocabulary: What is a variable, constant, coefficient, expression, and substitution? How do each of these vocabulary words relate to the questions below?</p> <p>Reading: Write the following expression two different ways with words: $5x^2 - 8$</p> <p>Writing: Write the following as an algebraic expression: Three fewer than half a number.</p> <p>Solving: Solve $ab + b^3$ when $a = -5$ and $b = 4$. Be sure to show all work.</p> <p>Explain: Explain the steps you took while solving the expression above.</p> <p>Create: Make up and solve your own related reading, writing, solving, and explain problems.</p> <p>Higher Order Thinking Questions: How do expressions relate to real life? What are common mistakes students have when solving these types of problems?</p>
<p style="text-align: center;">PRACTITIONER: I'm good (60-79%) EOG Level 3/4</p> <p>Vocabulary: What is a variable, constant, coefficient, expression, and substitution? How do each of these vocabulary words relate to the questions below?</p> <p>Reading: Write the following expression two different ways with words: $5x^2 - 8$</p>	<p style="text-align: center;">EXPERT: I'm great (80-100%) EOG Level 5</p> <p>Vocabulary: What is a variable, constant, coefficient, expression, and substitution? How do each of these vocabulary words relate to the questions below?</p> <p>Reading: Write the following two different ways with words: $(5x + 8) / a^2$</p> <p>Writing: Write the following as an algebraic expression:</p>

<p>Writing: Write the following as an algebraic expression:</p> <p style="text-align: center;">Three fewer than half a number.</p> <p>Solving: Solve $ab + b^3$ when $a = -5$ and $b = 4$. Be sure to show all work.</p> <p>Explain: Explain the steps you took while solving the expression above.</p> <p>Create: Make up and solve your own related reading, writing, solving, and explain problems.</p> <p>Higher Order Thinking Questions: How do expressions relate to real life? What are common mistakes students have when solving these types of problems?</p>	<p>The quotient of three more than five times a number divided by ten</p> <p>Solving: Solve $4(ab^2)^2 + b^3$ when $a = -2.5$ and $b = -4.02$. Be sure to show all work.</p> <p>Explain: Explain the steps you took while solving the expression above.</p> <p>Create: Make up and solve your own related reading, writing, solving, and explain problems.</p> <p>Higher Order Thinking Questions: How do expressions relate to real life? What are common mistakes students have when solving these types of problems?</p>
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Distributive Property (6.EE.3) and Combining Like Terms (6.EE.4)

Objective Task: Student will be apply use the distributive property and combine like terms.

Video Help: <https://www.youtube.com/watch?v=T0a92gEDukY>

NOVICE: I'm struggling (0-39%) EOG Level 1	APPRENTICE: I'm OK (40-59%) EOG Level 2/3
<p>Vocabulary: What is the distributive property? What are terms, unlike terms, and like terms? How do you know if you can combine terms? How do each of these vocabulary words relate to the questions below?</p> <p>Distributive Property: Use the rainbow method while using the distributive property to solve the following problems:</p> <div style="text-align: right; margin-right: 100px;"> $7(3x + 5)$ $10(y - 4)$ </div> <p>Combining Like Terms: Use the shapes method while combining the like terms.</p> <div style="text-align: right; margin-right: 100px;"> $5x + 6y + 13 - 2x + y - 9$ </div> <p>Explain: Explain the steps you took while solving the problems above.</p> <p>Create: Make up and solve your own related distributive property and combining like terms problems.</p> <p>Higher Order Thinking Questions: How do the distributive property and combining like terms relate to real</p>	<p>Vocabulary: What is the distributive property? What are terms, unlike terms, and like terms? How do you know if you can combine terms? How do each of these vocabulary words relate to the questions below?</p> <p>Distributive Property: Use the rainbow method while using the distributive property to solve the following problems:</p> <div style="text-align: right; margin-right: 100px;"> $7(3x + 5) + 7x$ $10(y - 4) - 6y$ </div> <p>Combining Like Terms: Use the shapes method while combining the like terms.</p> <div style="text-align: right; margin-right: 100px;"> $15x + 26y + 13 - 12x - y - 19$ </div> <p>Explain: Explain the steps you took while solving the problems above.</p> <p>Create: Make up and solve your own related distributive property and combining like terms problems.</p> <p>Higher Order Thinking Questions: How do the distributive property and combining like terms relate to real</p>

Name: _____

Block: _____

Date: _____

<p>life? What are common mistakes students have when solving these types of problems?</p>	<p>life? What are common mistakes students have when solving these types of problems?</p>
<p>PRACTITIONER: I'm good (60-79%) EOG Level 3/4</p> <p>Vocabulary: What is the distributive property? What are terms, unlike terms, and like terms? How do you know if you can combine terms? How do each of these vocabulary words relate to the questions below?</p> <p>Distributive Property: Use the rainbow method while using the distributive property to solve the following problem:</p> $7(3x + 5) + 10(x - 4)$ <p>Combining Like Terms: Use the shapes method while combining the like terms.</p> $5x + 6y + 13 - 2x + y - 9$ <p>Explain: Explain the steps you took while solving the problems above.</p> <p>Create: Make up and solve your own related distributive property and combining like terms problems.</p> <p>Higher Order Thinking Questions: How do the distributive property and combining like terms relate to real life? What are common mistakes students have when solving these types of problems?</p>	<p>EXPERT: I'm great (80-100%) EOG Level 5</p> <p>Vocabulary: What is the distributive property? What are terms, unlike terms, and like terms? How do you know if you can combine terms? How do each of these vocabulary words relate to the questions below?</p> <p>Distributive Property: Use the rainbow method while using the distributive property to solve the following problem:</p> $7(3.1x + 0.5) + 2.3 - 10.2(x - 3.4)$ <p>Combining Like Terms: Use the shapes method while combining the like terms.</p> $2/5x + 5/6y + 1/3 - 1/2x + y - 2/9$ <p>Explain: Explain the steps you took while solving the problems above.</p> <p>Create: Make up and solve your own related distributive property and combining like terms problems.</p> <p>Higher Order Thinking Questions: How do the distributive property and combining like terms relate to real life? What are common mistakes students have when solving these types of problems?.</p>