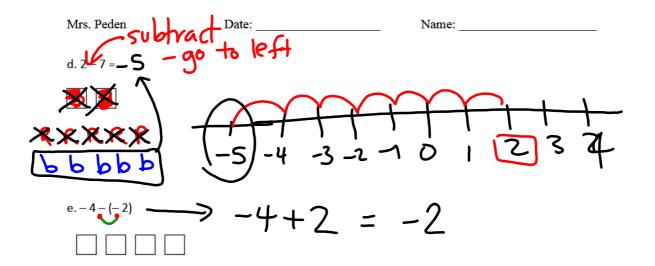
- 1. Represent -8 in three or more ways
- 2. What do -8 and -20 have in common?
- 3. An integer is a lot less than 5. What integer might it be and what makes it a lot less?

Mrs. Peden Date: _	Name:
Recall: Sum of integers ( Action)	
Blue algebra chips = — \ Red algebra chips =  + \	
Interesting to note for sums of integers:  o When adding integers with the same sign, add the two numbers and keep the sign $(-2)+(-12) = -14$ $5+6=1$	
o When adding integers with opposite signs, result depends on relative size of integers!  Example: -2 + 12 = 10 -8 + 3 = -5  Positive be cause 12 is biggen than 2	
Positive be cause 12 is bigger than 2 Now, Subtracting Integers	
So let's try some basic starters:	
a. 7-2 = S	b5 - (-3) = -2
7+(-2)	-5+3=-2
(c. 3)- (-2) = 5	So we have 3 red, and want to take away heganive, so how do we add them
	without affecting the original equation?  USE ZERD Principle  What do you notice about the answer? Can you
	write the expression another way??
	3(+) d = 5



Interesting to note for subtracting integers:

o Subtraction of integers is really simply the the the integer! Example:

<u>Using number lines</u>: The difference (subtraction) is the distance and direction from the second integer to the first.

Example: Carleton Place weather this past weekend was -5. In Toronto, it was +2, while in Winnipeg it was -10.

Difference between CP and TO in an expression: -5 - 2 =

{same as - Difference between TO and CP? in an expression: 2 - (-5) = 3



Difference between Winnipeg and CP in an expression: -10 - (-5) =

Homework: page 359 # 5 - 9, 12-13, 1-2 NO CALCULATORS ARE TO BE USED TODAY!

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