Lesson # 39

Division of Integers

Date

Warmup

1.

$-6 + 1 =$ _____

4 + -6 = _____

-8 + -4 = _____

9 + 8 = _____

2.

$9 - (-2) =$ _____

-1 – (-4) = _____

-7 - 8= _____

3 – 6 = _____

3.

$-6(-7) =$ _____

-5(8) = _____

4(-2)= _____

9(3) = _____

4. Evaluate: if a=9, b=6, and c = 8

ab - 4(8 - 7) + c

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I. Dividing Integers

II. Solve equations with Integers

Homeschool Honor Roll
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Pre-Algebra and Geometry I
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I. Dividing Integers

Division with Integers

Same Signs **Divide** the numbers Sign is **Positive**

$\frac{-9}{-3}$ $\qquad$ $\frac{9}{3}$

$9 \div 3 = 3$ The signs the same the answer is positive $\qquad$ $9 \div 3 = 3$ The signs the same the answer is positive

$\frac{-9}{-3} = 3$ $\qquad$ $\frac{9}{3} = 3$

Different Signs **Divide** the numbers Sign is **Negative**

$\frac{8}{-2}$ $\qquad$ $\frac{-8}{2}$

$8 \div 2 = 4$ The signs different the answer is negative $\qquad$ $8 \div 2 = 4$ The signs the different the answer is negative

$\frac{8}{-2} = -4$ $\qquad$ $\frac{-8}{2} = -4$

$-16 \div 8 =$	$-10 \div -2 =$
$4 \div 2 =$	$6 \div -3 =$
$-63 \div 9 =$	$81 \div -9 =$
5. $-8 \div 4 =$	6. $\frac{-12}{-3} =$

The rules for multiplication and division are the similar:

Calculate the number, then determine the sign.

Same signs: positive answer

Different signs: negative answer

II. Solve equations with Integers

a = -64 ÷8

a =

b = 9 (-7)

b =

c = 6 - -5

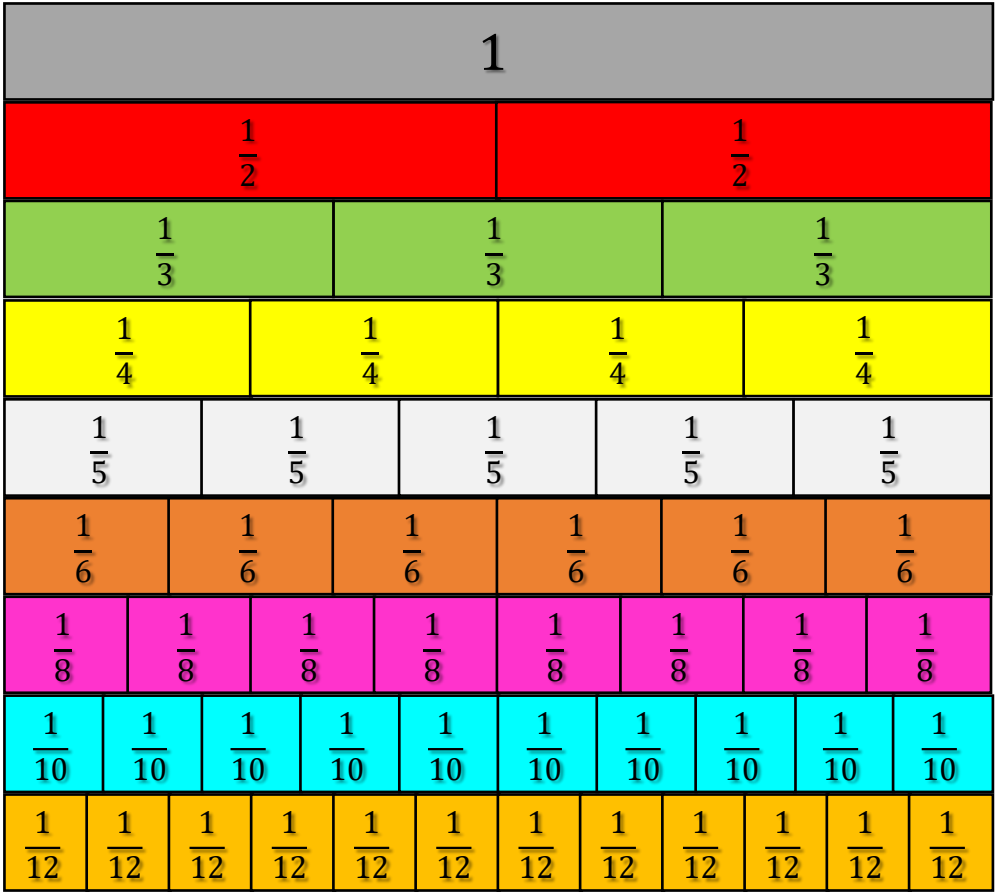
c =

d = -7 + -5

d =

8. 6 + -8 = s

9. $\frac{-20}{-10} = z$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