

You need out your warm up, hw from last night, & agenda

Homework: x / homework. Quiz Friday?

Warm Up: Use integer rules to solve:

1)  $(-9.8) - (-5.6)$       $-9.8 + 5.6$      2)  $13.4 + (-0.77)$

$$\begin{array}{r} 9.8 \\ -5.6 \\ \hline -4.2 \end{array}$$

$$\begin{array}{r|l} + & - \\ 5.6 & 9.8 \end{array}$$

$$\begin{array}{r} 13.4 - .77 \\ \hline 12.63 \end{array}$$

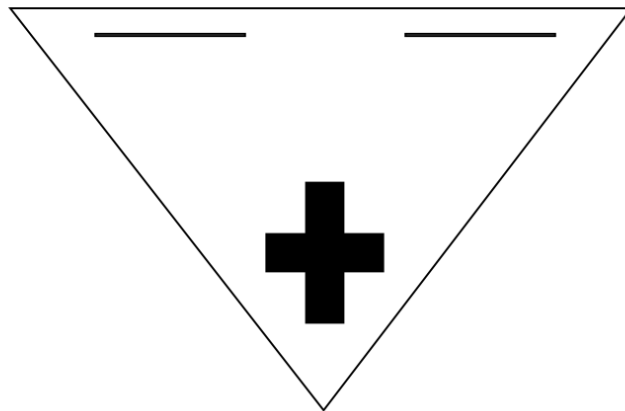
3)  $0.2 + 1.45 - 7.5$

$$\begin{array}{r} 0.20 \\ +1.45 \\ \hline 1.65 \\ -7.50 \\ \hline -5.85 \end{array}$$

$$\begin{array}{r|l} + & - \\ .20 & 7.5 \\ 1.45 & \\ \hline 1.65 & 7.5 \end{array}$$

Rules for Multiplying and Dividing Integers

"The Sleeping Man"



Rules:

If there are two negatives your answer is

2, 4, 6, 8 (even)

positive

If there is one negative your answer is


1, 3, 5, 7 (odd)

negative


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Practice!

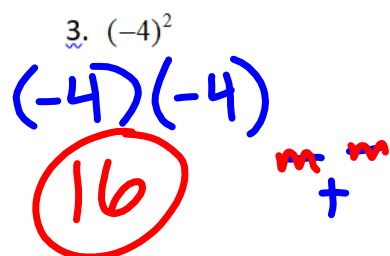
1)  $11(-9) =$



2)  $-3(-5) =$



3.  $(-4)^2 =$



5)  $\frac{22}{-2}$

mn ~~+~~  
mn ~~-~~

$-11$

6)  $\frac{-21}{3}$

mn ~~-~~  
mn ~~+~~

$-7$

7)  $-15 \div (-3)$

mn mn  
+

$5$

8)  $-4 \times (-8)$   
~~WA~~  
+ **32**

9)  $\frac{-40}{8}$   
~~mm~~  
- **-5**

10)  $\frac{-48}{-6}$   
~~mm~~  
+ **8**

What if there is more than one number?

Even Number of Negative Signs: positive answer

1)  $-5 \times -2$

10

2)  $(-4)(-2)(5)$

8 · 5

40

$(-4)(-2)(5)$

+

8

40

+

3)  $(-2)(-4)(-3)(-2)$

8 · 6

+

8 · 3

24 · 2

48

Odd Number of Negative Signs = negative answer

1)  $-4 \times 3$

$-12$

2)  $(2)(-3)(5)$

$-30$   $6 \cdot 5$

3)  $(-2)(-5)(-8)$

$-80$   $10 \cdot 8$



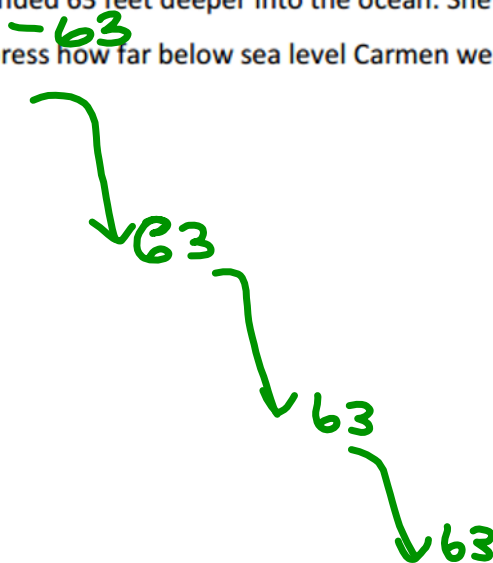
- X Every hour, Carmen descended 63 feet deeper into the ocean. She was scuba diving for 5 hours.  
Which equation would express how far below sea level Carmen went in total?

A.  $(-63)(5) = -315$

~~B.  $-63 + 5 = -68$~~

C.  $(-63)(-5) = 315$

~~D.  $-63 + 5 = -58$~~



x  
Each day, Ms. Cervino spends \$10 on a dog walker. After 6 days, how much money will she have spent for the dog walker?

$$\begin{array}{r} -10 \\ \times 6 \\ \hline \end{array} = -60$$

$$-10 + -10 + -10$$

TJ climbed a mountain. Unfortunately, once he reached the top every minute he falls down 13 feet. After 9 minutes, how far will he have fallen? 13 feet

$$-13 \times 9 = -117 \text{ ft}$$

\*\*Want a challenge???

How far will he have fallen after 2 hours?

$$-13 \times 120 \quad 120 \text{ mins}$$
$$\underline{-1560 \text{ ft}}$$

Tonight's Homework: Copy down and put in your homework folder.

1)  $-9(-6)$

2)  $(-5)(-3)(-2)$

3)  $\frac{-42}{6}$

4)  $12 \cdot 4$

5)  $-2 \times -5 \times 7$

6)  $(-48) \div (-8)$

$$-19 \times 5$$

$$-25 \times -5$$

$$(-2) \times (-5) \times (-6)$$

$$-123 / -5$$



$$(-100) \times (-67) \times (-2) \times (-87)$$

$$-20 \times -70$$

$$(-30) \times (-20) \times 2$$

$$(-30)(-4)(-5)(6)$$

$$-35 / 8$$

$$90 \times 50$$

$$(-9)(2)(-4)$$

$$(-9)(-8)(-7)(-6)(-5)$$