

Thursday, September 18, 2014

Please turn your homework from yesterday (p. 18 11-19) into the correct tray!

You need:

*textbook

*pencil

*notes

*vocabulary

~~Subtract Integers~~

Lesson 1-3

Students will be able to subtract integers.

If x and y are positive integers, is $x - y$ always positive?

Subtracting Integers

To subtract an integer, add its **opposite**. Then just follow the rules of integer addition!

The **opposite** is just two numbers that are opposites. When you add an integer and its **opposite**, the sum is **zero**.

Leave it, change it, change it! (LCC)

~~Examples:~~

$$4 - 9 = 4 + (-9) = -5$$

$$7 - (-10) = 7 + 10 = 17$$

Check your answers by adding!



REMINDER - Rules for Adding Integers - Same sign - just add and keep the sign! Different signs - subtract and keep the sign of the integer with the greater absolute value (the one you have more of)!

Example 1: Find $8 - 13$.

Example 2: Find $-10 - 7$.

You try:

a. $6 - 12$

b. $-20 - 15$

Example 3: Find $1 - (-2)$.

Example 4: Find $-10 - (-7)$.

You try:

a. $4 - (-12)$

b. $-15 - (-5)$

Example 5: Evaluate $x - y$ if $x = -6$ and $y = -5$.

You try:

Evaluate $b - 10$ if $b = -8$.

Example 6: The temperatures on the Moon vary from -173 degrees C to 127 degrees C. Find the difference between the maximum and minimum temperatures.



Homework - Practice 1.3 Odds (Skip 1-3)