November 1, 2011

No Warm-Up! :)

Get out ANYTHING that needs to still be corrected...

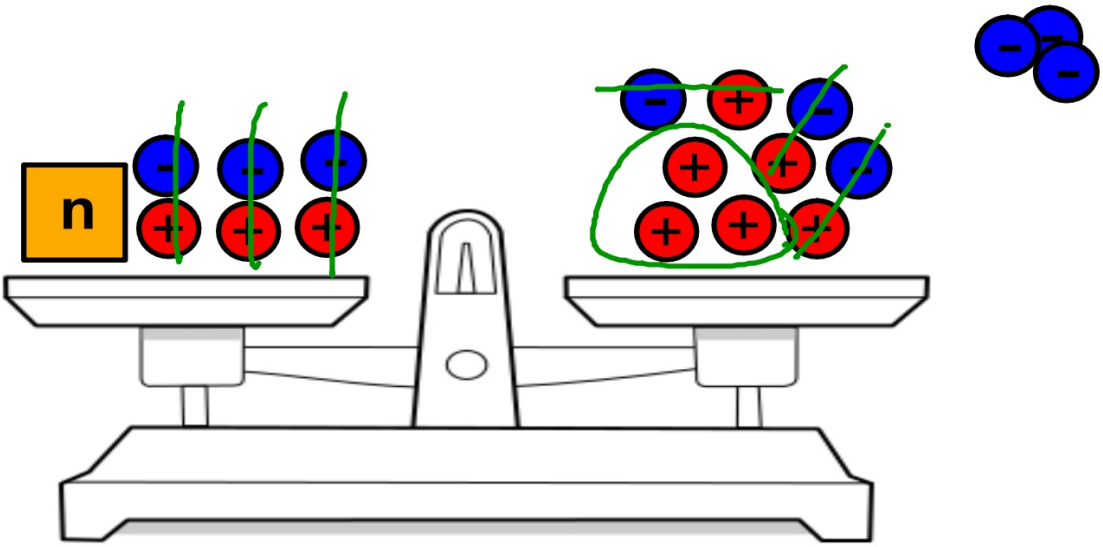
11/1 - Solving one-step add/subtract equations with integers

It's balanced when the 2 things weigh the same.

If you take something off of one side, you have to take the same off of the other.

If you put something on one side you have to put the same thing on the other.

Balanced means EQUAL



$n + 3 = 6$

$-3 \quad -3$

$n = 3$

Try these...

$14 = x - 7$

$+7 \quad +7$

$21 = x$

$-8 = y + 8$

$-8 \quad -8$

$-16 = y$

$23 = v + (+40)$

$-40 \quad -40$

$-17 = v$

$-7 - h = 11$

$+7 \quad +7$

$-h = 18$

$h = -18$

4 things you can do that don't change the balance:

1. Add a number to both sides
2. Subtract a number from both sides
3. Changes the signs of both sides
4. Exchange sides
5. Combine like terms on ONE side

$10 + r - 14 = 6$

$r - 4 = 6$

$+4 \quad +4$

$r = 10$

$5 + x - 8 = 9$

$-3 + x = 9$

$+3 \quad +3$

$x = 12$

$20 = 2 - 8 - h$

$20 = -6 - h$

$+6 \quad +6$

$26 = -h$

$-26 = h$

Homework:

Worksheet Buff
1-10

White
1—16
skip 15

due tomorrow