

September 8, 2014

5th
6th

Starter

Clear off your desk and get out a sharpened pencil to be ready for quiz 1.2 (adding integers)



Challenge Accepted

9/4 - Subtracting Integers using Counters and Number lines

Integer Counters

1 ACTIVITY: Subtracting Integers

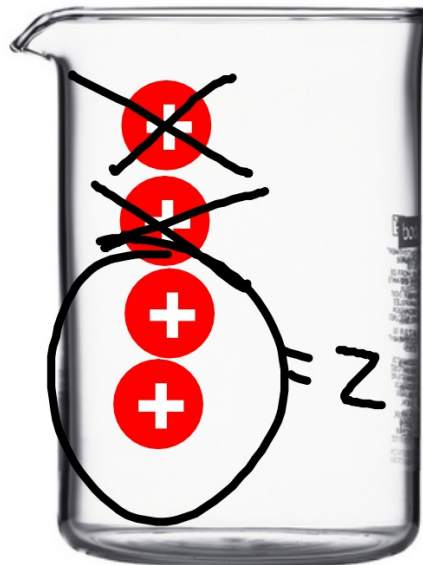
Work with a partner. Draw a picture to show how you use integer counters to find $4 - 2$.

4 minus 2

 = one positive

 = one negative

"Cancel" = take away



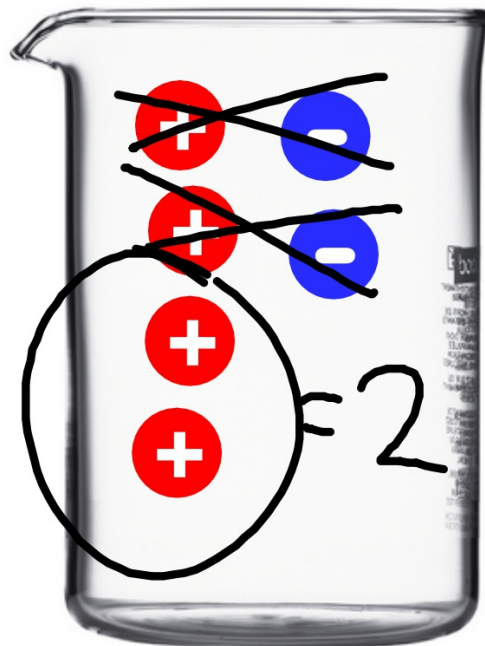
2 ACTIVITY: Adding Integers

Work with a partner. Draw a picture to show how you use integer counters to find $4 + (-2)$.

↑
add

 = one positive

 = one negative



In your notes, write a couple sentences explaining how $4 + (-2)$ and $4 - 2$ are connected.

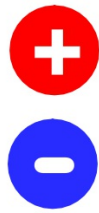
They both use 4 and 2

They have the same answer.

A negative is a minus.

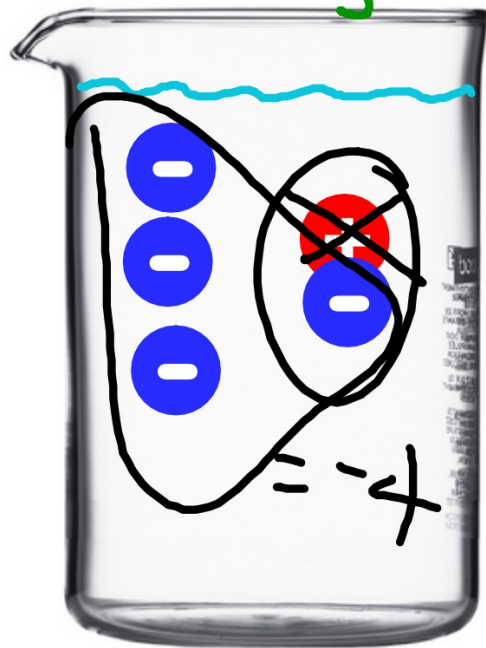
They are both basically subtract

$$-3 + (-1)$$

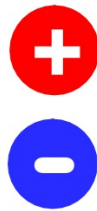


$$-3 - 1$$

positive
take away

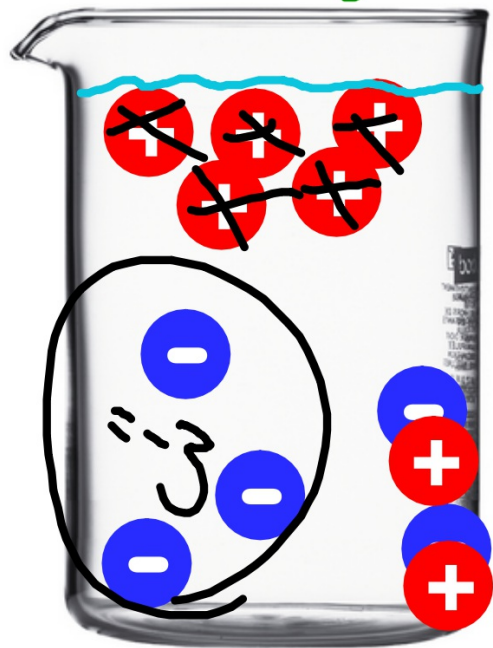


$$2 + (-5)$$

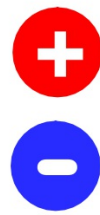
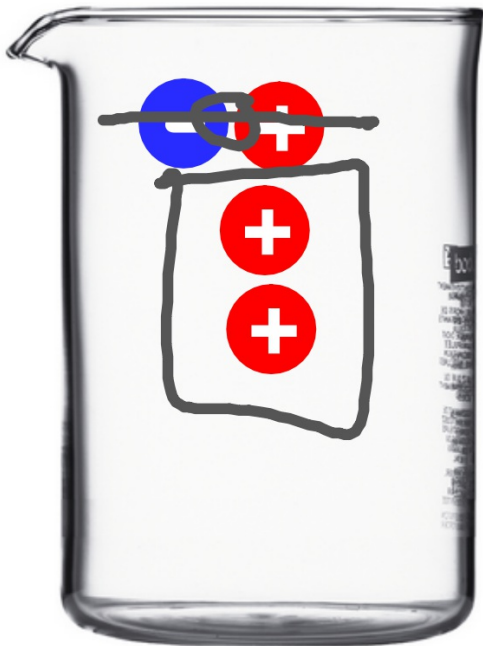


$$2 - 5$$

take away 5



$$-1 + 3 = 2$$

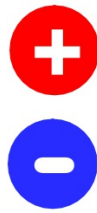


$$-1 - (-3) = 2$$

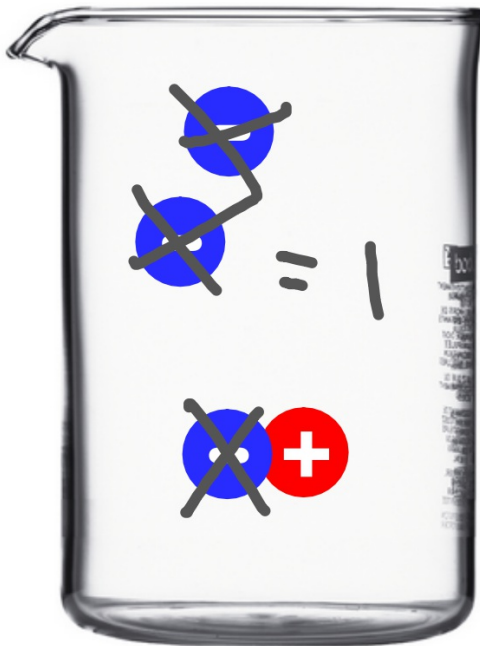


$$-2 - (-3)$$

↑
take away



$$3 - 5$$

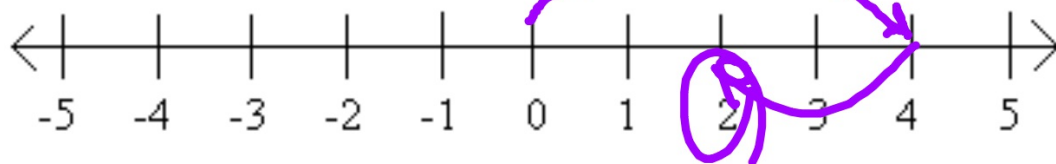
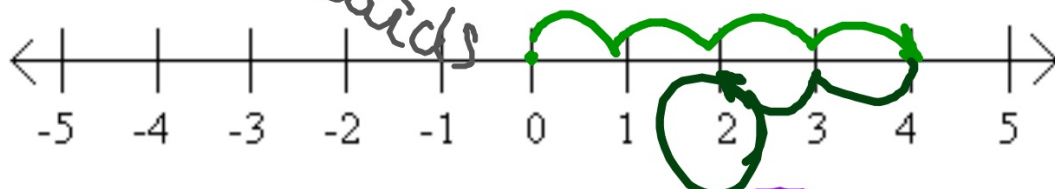


Number lines:

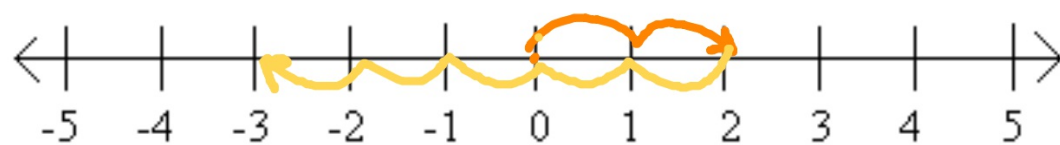
A “-” sign reverses

Right
 $4 + (-2) = 2$
Back

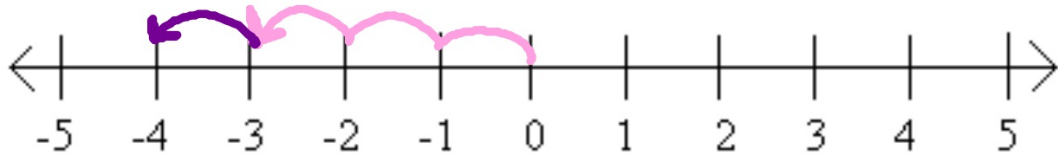
Left
 $4 - 2$



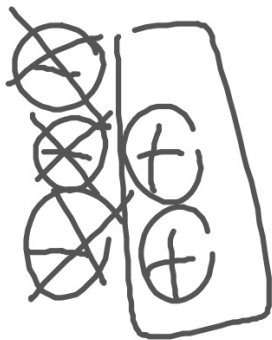
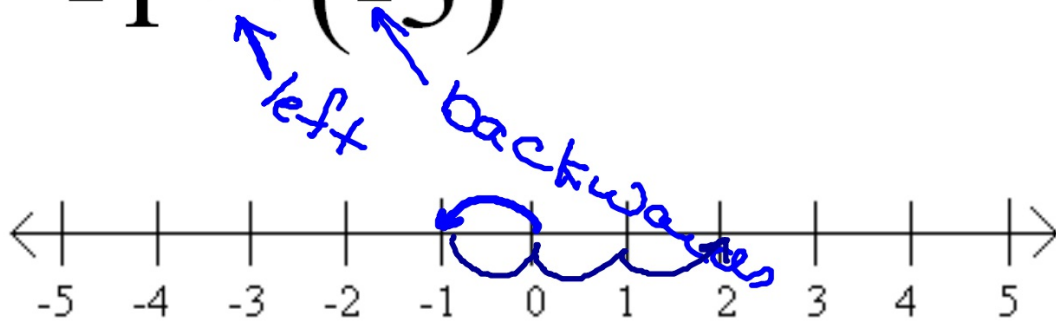
$$2 - 5 = -3$$



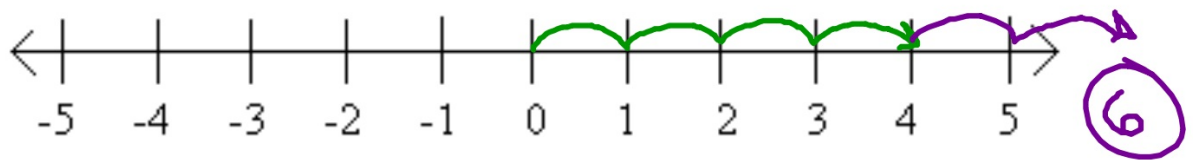
$$-3 - \frac{1}{x}$$



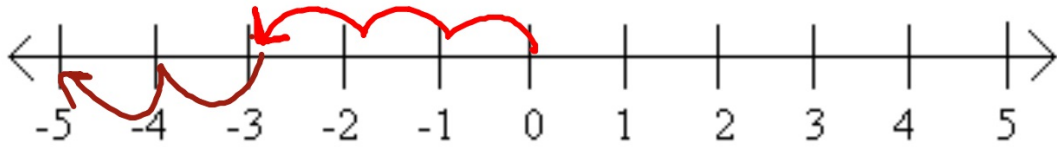
$$-1 - (-3)$$



$$4 - (-2) = 6$$



$$-3 - 2 = -5$$



Homework

Blue WS 4

Due Wednesday

21. $-1 - (-3)$ } counters

22. $5 - (-1)$ }

23. $-3 - 2$ } number lines

24. $1 - (-3)$ }