

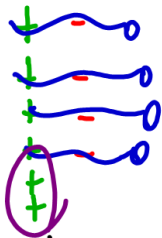
2.2 Adding Integers

$$1 + 2 = 3$$

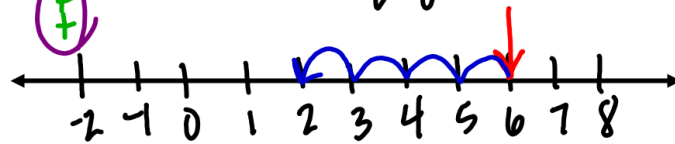
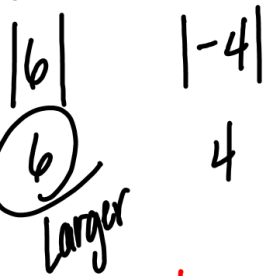
$$-6 + -4 = -10$$

$$6 + -4$$

2

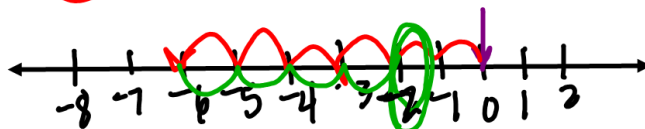
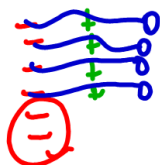


Subtract



$$-6 + 4$$

-2



$$-2 + (-9)$$

$$-2 + -9$$

$$-11$$

Signs
Same
Add



$$\begin{array}{r} -20 + -36 \\ -56 \end{array} \quad \begin{array}{r} 20 \\ +36 \\ \hline 56 \end{array}$$

$$\begin{array}{r} -59 + 14 \\ -45 \end{array} \quad \begin{array}{r} 59 \\ -14 \\ \hline 45 \end{array}$$

.....
+
.....

$$\begin{array}{r} -18 + 72 \\ 54 \end{array} \quad \begin{array}{r} 72 \\ -18 \\ \hline 54 \end{array}$$

$$-9 + -4 + 2$$

$$\begin{array}{r} -13 + 2 \\ -11 \end{array} \quad \begin{array}{r} 13 \\ -2 \\ \hline 11 \end{array}$$

$$15 + -9 + |-3|$$

$$15 + -9 + 3$$

$$\begin{array}{r} 18 + -9 \\ 9 \end{array}$$

$$\begin{array}{r} 6 + 3 \\ 9 \end{array}$$

$$(a+b)+c$$

$$a = -4$$

$$(-4+2)+-7$$

$$b = 2$$

$$c = -7$$

$$(-4+-7)+2$$

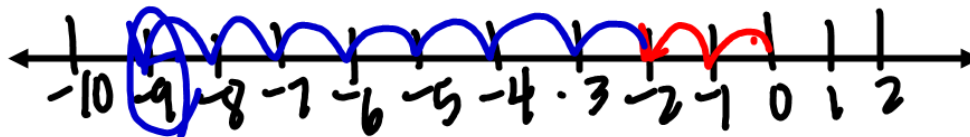
$$(-11)+2$$

$$-9$$

$$(-4+2)+-7$$

$$-2+-7$$

$$-2-7$$



$$-9$$

$$(a + b) + c \quad \text{Substitute } a = -1$$

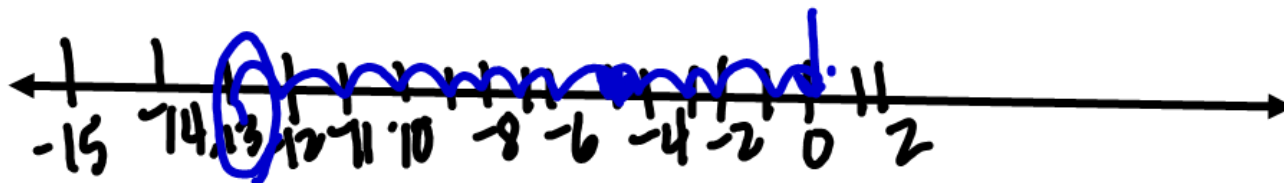
$$(-1 + -4) + -8$$

$$b = -4$$

$$c = -8$$

$$-5 + -8$$

$$-13$$



Protons

Electrons

+

-

8

4

8 + -4

4

$$b + -b$$
$$0$$

p 83
14-32E