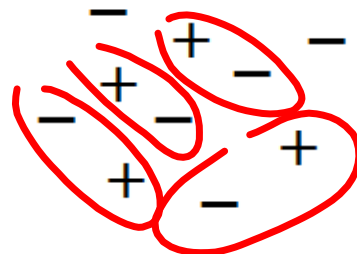
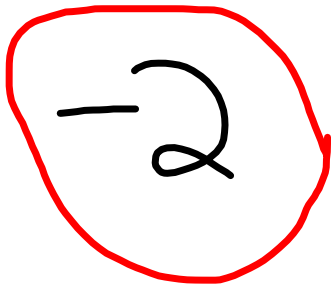


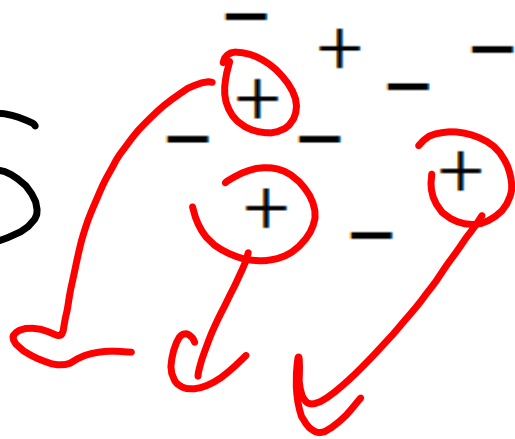
Examine this assortment of positive and negative tiles.
What integer does this assortment represent?

11/21

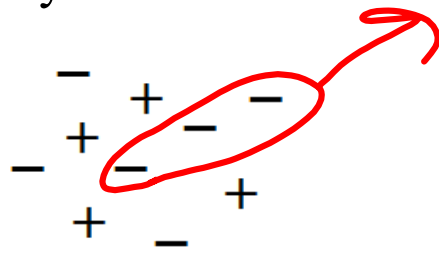


zero pairs

What happens if three + tiles are removed? How can you use numbers and symbols to represent this action and the resulting value?

$$-2 - 3 = -5$$


What happens if three - tiles are removed from the original set of tiles? How can you represent this action and the result using numbers and symbols?

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


Subtraction = Add the Opposite

$$7 - 4$$

$$7 + (-4)$$

$$-4 + 7$$

intuition

$$3 - 10$$

$$3 + -10$$

$$\rightarrow$$

Subtract = Add the Opposite

$$\begin{array}{r} -5 - 7 \\ -5 + -7 \\ \hline -12 \end{array}$$

Subtract = Add the Opposite

$$-3 - -5$$

$$-3 + 5$$

$$\textcircled{2}$$

Subtract = Add the Opposite

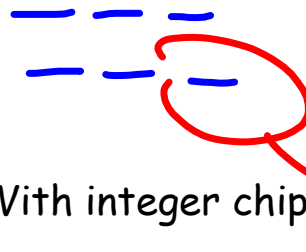
$$6 - (-11)$$

$$6 + 11$$

$$17$$

Subtract = Add the Opposite

$$\begin{array}{r} -6 - (-1) \\ -6 + 1 \\ -5 \end{array}$$



With integer chips,
start with six negatives, then take
away one negative.

$$-6 - (-1) = -5$$

$6 - (-11)$

Start with six positives.

Need to add eleven "Zero Pairs" before I can take away -11.

Then I can take away 11 negatives, leaving me with 17 positives!

$$6 - (-11) = 17$$