

## Adding Integers with Number Lines

Positive + Positive = Positive

→ add together

ex.  $5 + 2 = 7$

ex.  $9 + 4 = 13$

Negative + Negative = Negative

→ add together

ex.  $-5 + -2 = -7$

ex.  $-9 + -4 = -13$

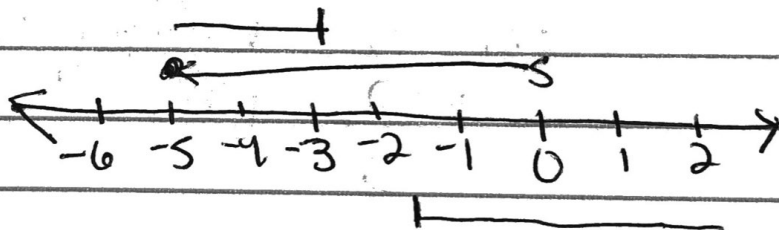
Negative + Positive =

Positive + Negative =

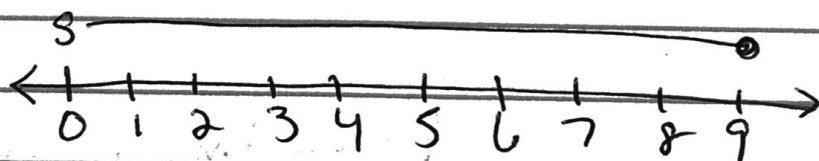
} sign is the one with the highest absolute value

→ subtract the absolute value

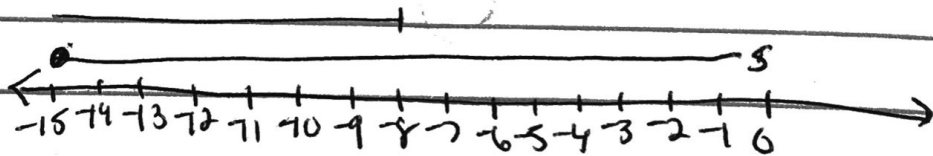
ex.  $-5 + 2 = -3$



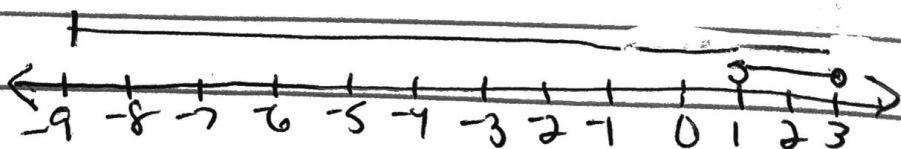
ex.  $9 + -4 = 5$



ex.  $-15 + 7 = -8$



ex.  $3 + -12 = -9$



## Adding Integers with Counters

When they have the same sign:

ex.  $5 + 2 = 7$

Diagram: 5 positive counters (+) and 2 positive counters (+).

ex.  $-5 + -2 = -7$

Diagram: 5 negative counters (-) and 2 negative counters (-).

When they have different signs:

ex.  $-5 + 2 = -3$

Diagram: 5 negative counters (-) and 2 positive counters (+). Two pairs of (+, -) are circled and crossed out. There are 3 negative counters (-) left.

there are -3 left

ex.  $5 + -2 = 3$

Diagram: 5 positive counters (+) and 2 negative counters (-). Two pairs of (+, -) are circled and crossed out. There are 3 positive counters (+) left.

there are +3 left

Diagram: A circled pair of (+, -) counters.

← this is a zero pair