

Adding and Subtracting Integers



Remember from our Lesson?

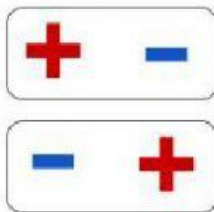
$$3 + (-5) = -2$$

That's the same as:

$$3 - 5 = -2$$

INTEGER RULE

When **adding** a **negative** or
Subtracting a **positive**



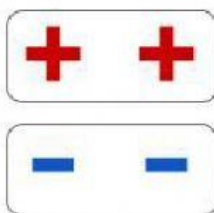
The operation
becomes
subtraction

Example:

$$5 + (-3) = 5 - 3 = 2$$

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

When **adding** a **positive** or
Subtracting a **negative**



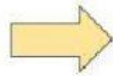
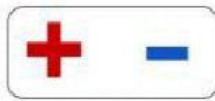
The operation
becomes
addition

$$5 + (+3) = 5 + 3 = 8$$

$$3 - (-2) = 3 + 2 = 5$$

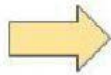
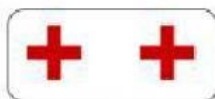
Try Solving
Your Own on the
Next Page!

When **adding** a **negative** or
Subtracting a **positive**



The operation
becomes
subtraction

When **adding** a **positive** or
Subtracting a **negative**



The operation
becomes
addition

First, **convert the operation** using
the **integer rule**.

(Don't solve).

The first one is done for you.

$$5 + (-5) = 5 - 5$$

$$4 + (-2) =$$

$$5 - (+3) =$$

$$2 - (-3) =$$

$$3 + (+1) =$$

$$-8 - (-2) =$$

Now, convert the operation in your head, then solve:

The first 6 equations are the same as above,
but now you are **only writing the final answer**

Use the Number Line below to help you.

$$5 + (-5) = 0$$

$$4 + (-2) =$$

$$5 - (+3) =$$

$$2 - (-3) =$$

$$3 + (+1) =$$

$$-8 - (-2) =$$

$$-10 - (-5) =$$

$$6 + (+3) =$$

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

$$5 - (+3) =$$

$$2 - (-8) =$$

$$-5 + (-5) =$$

