

NEGATIVE NUMBERS

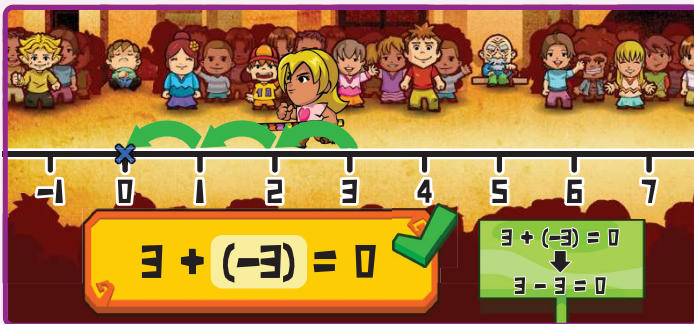
A number that is less than zero is called a **NEGATIVE NUMBER**. We show this by placing a '-' symbol in front of it.



RULES FOR ADDING OR SUBTRACTING NEGATIVE NUMBERS

To add a negative number, start facing to the right (add) on the number line. Then, step backwards (negative). This means, adding a negative number is the same as subtracting. It produces a lower value. In this example, start at 3, then move 3 steps to the left.

To subtract a negative number, start facing to the left (subtract) on the number line. Then, step backwards (negative). Notice that you're actually moving to the right of the number line. This means, subtracting a negative number is the same as adding. In this example, start at 1, then move 4 steps to the right.



RULES FOR MULTIPLYING OR DIVIDING NEGATIVE NUMBERS

$$2 \times -3 = -6$$

Multiplying a **positive number** by a **negative number** (and vice versa) produces a **negative number**

$$21 \div -3 = -7$$

Dividing a **positive number** by a **negative number** (and vice versa) produces a **negative number**

$$-2 \times -3 = 6$$

Multiplying **two negative number** produces a **positive number**

$$-18 \div -3 = 6$$

Dividing a **negative number** by a **negative number** produces a **positive number**