

integers

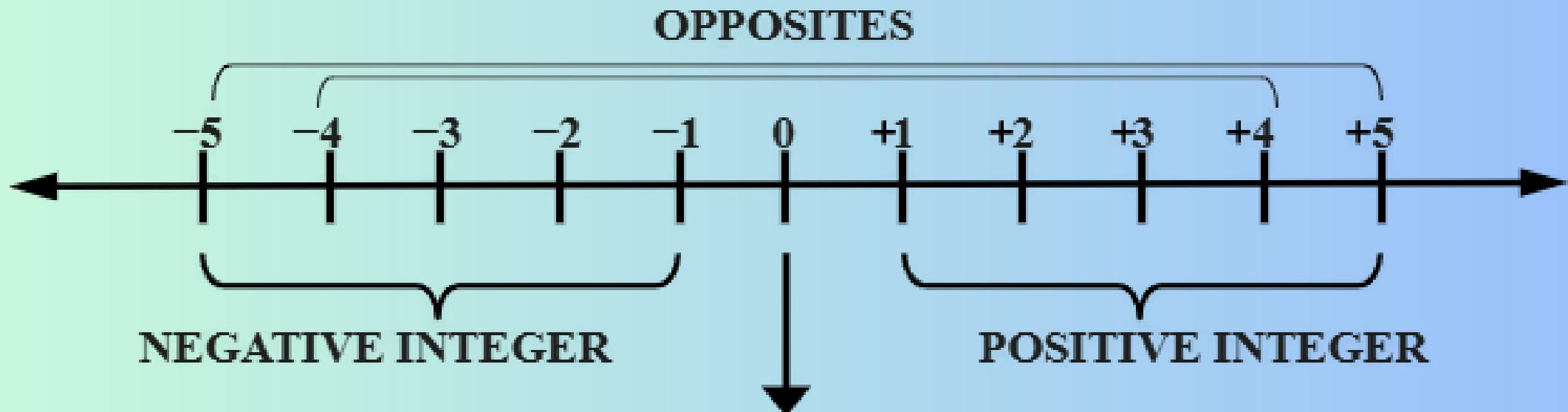
What is an integer?

Integers include all natural numbers (also called counting numbers), their negative, opposites, additive inverses, and the number zero.

Importantly, integers do not include fractions or decimals.

For example, numbers like $\frac{1}{2}$ and 0.420 are **not integers**.

Let's take a look at the number line



0 is not negative or positive

On the number line, **opposite** are numbers that are the same distance from 0 but are located on opposite sides of it.

According to the **additive inverse** property, if you add a number

 to its opposite, the result will always be 0.

Example: $-1 + 1 = 0$ $-3 + 3 = 0$ $-5 + 5 = 0$