

An **integer** is a whole number that can be **positive**, **negative**, or **zero**, but **does not have any decimal or fractional part**.

Examples of integers:

- -3, 0, 7, 100, -42

Not integers:

- 3.14 (has a decimal)
- $\frac{1}{2}$ (a fraction)

In math and programming, integers are often written as \mathbb{Z} , which comes from the German word *Zahlen*, meaning "numbers".