





\*MATH OPERATIONS ARE THE THINGS WE DO TO NUMBERS, LIKE ADDITION, SUBTRACTION, MULTIPLICATION AND DIVISION.

Let's see...

I'll use  $x$  to represent your number.

Dividing your number by 5 gives us  $\frac{x}{5}$ .

1. Divide my number by 5.  $\rightarrow \frac{x}{5}$
  2. Add 7 to the result to get 15.
- What is my number?

Then, we add 7 to the result.

That gives us  $\frac{x}{5} + 7$ .

1. Divide my number by 5.  $\rightarrow \frac{x}{5}$
  2. Add 7 to the result to get 15.  $\rightarrow \frac{x}{5} + 7$
- What is my number?

Dividing your number by 5 and adding 7, we get 15.

$$\text{So, } \frac{x}{5} + 7 = 15.$$

1. Divide my number by 5.  $\rightarrow \frac{x}{5}$
  2. Add 7 to the result to get 15.  $\rightarrow \frac{x}{5} + 7 = 15$
- What is my number?

But, how do we figure out what  $x$  is?

The same way you figured out my number before...

...by working backwards!

Our goal is to **isolate the variable**.

Huh?

That just means we try to get  $x$  by itself on one side of the equation.

$$\frac{x}{5} + 7 = 15$$

How could you solve this equation for  $x$ ?

