

CONVERTING PERCENTAGES TO FRACTIONS

$$x\% = \frac{x}{100}$$



Using the magic formula... $x\% = \frac{x}{100}$

Example 1: What is 33% as a fraction?

- In this case, $x = 33$
- So the fraction is $\frac{33}{100}$

Example 2: What is 50% as a fraction?

- In this case, $x = 50\%$
- So the fraction is $\frac{50}{100}$

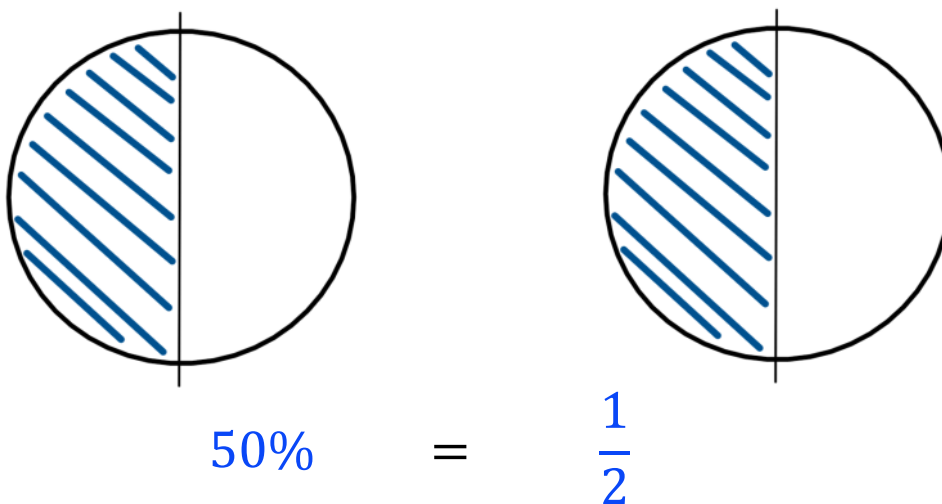
But the above fraction is **not** in its simplest form. 50% is more often written as $\frac{1}{2}$.

So what's going on??

We need to simplify our fraction!!

$$\frac{50}{100} = \frac{50 \div 10}{100 \div 10} = \frac{5 \div 5}{10 \div 5} = \frac{1}{2}$$

(If you aren't comfortable with this simplification, you should watch the video on "simplifying fractions" and "equivalent fractions" on YouTube).



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