

Fractions

How do I make equivalent fractions?

Multiply both the top and bottom of your given fraction by the same number.

Example

Given the fraction $\frac{1}{2}$, you can make an equivalent fraction by multiplying both top and bottom by 2 (or any other number for that matter):

$$\frac{1}{2} \text{ Original fraction.}$$

$$\frac{1 \times 2}{2 \times 2} \text{ Multiply top and bottom by the same number.}$$

$$\frac{2}{4} \text{ This fraction is equivalent (describes the same amount) as the original fraction.}$$

These fractions are also equivalent to $\frac{1}{2}$: $\frac{3}{6}$, $\frac{4}{8}$, $\frac{5}{10}$, $\frac{6}{12}$, etc.