

Percents

How do I convert a fraction to percent form?

Step 1: Convert the fraction to decimal form by dividing the top number (numerator) by the bottom number (denominator).

Step 2: Now that you have a decimal number, move the decimal point two places to the right and add the % symbol.

Example

Change $\frac{1}{5}$ to a percent.

Step 1: Convert the fraction to a decimal.

$$1 \div 5 = \mathbf{0.2}$$

Step 2: Move the decimal point two places to the right and add the % symbol.

$$0.2 \xrightarrow{\hspace{1cm}} \mathbf{20\%}$$

To summarize what happened:

Given: Fraction	Change to: Decimal	Convert to: Percent
$\frac{1}{5}$	0.2	20%

Example

Change $\frac{2}{3}$ to a percent.

Step 1: Convert the fraction to a decimal.

$$2 \div 3 = \mathbf{0.666\dots}$$
 (repeating sixes goes on indefinitely)

Step 2: Move the decimal point two places to the right and add the % symbol.

$$\mathbf{0.666\dots} \xrightarrow{\hspace{1cm}} \mathbf{66.7\%}$$
 (rounded to the nearest tenth)

To summarize what happened:

Given: Fraction	Change to: Decimal	Convert to: Percent
$\frac{2}{3}$	0.666...	66.7%