

Example #01: How to convert a fraction to percent?

Convert $\frac{24}{80}$ to percent.

Hint: When converting a fraction to percent, multiply by 100 and write the percent sign.

$$\begin{aligned} \text{Convert } \frac{24}{80} \text{ to percent} &= \frac{24}{80} \times 100 \% \\ &= \frac{24 \times 100}{80} \% \\ &= \frac{2400}{80} \% \\ &= \frac{2400}{\cancel{80}} \% \\ &= \frac{30}{1} \% \end{aligned}$$

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| $\text{Convert } \frac{24}{80} \text{ to percent} = 30 \% \dots\dots\dots \text{Answer.}$ |
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Example #02: needs work; How to convert a number to a percent?

What percent of 80 is 24?

$$x \% \times 80 = 24$$

Hint: When converting a percent sign, divide by 100 and remove the percent sign.

Hint: When converting a percent sign, multiply by $\frac{100}{100}$ and remove the percent sign.

$$\begin{aligned} x \times \frac{1}{100} \times 80 &= 24 \\ x \times \frac{1}{100} \times 80 &= 24 \\ x \times \frac{80}{100} &= 24 \end{aligned}$$

Insert explanation. Tap here to see explanation.

$$\begin{aligned} x \times \frac{80}{100} \times \frac{100}{80} &= 24 \times \frac{100}{80} \\ x \times \frac{\cancel{80}}{100} \times \frac{100}{\cancel{80}} &= 24 \times \frac{100}{80} \\ x \times \frac{1}{1} &= 24 \times \frac{100}{80} \\ x \times 1 &= 24 \times \frac{10}{8} \\ x &= \frac{24 \times 10}{8} \\ x &= \frac{240}{8} \\ x &= \frac{240}{\cancel{8}} \\ x &= \frac{30}{1} \end{aligned}$$

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|--------------------------|
| $x = 30 \text{ Answer.}$ |
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What percent of 80 is 24?
 30 % of 80 is 24?

Practice Questions:

What percent of 80 is 32?

What percent of 80 is 36?