

C: Percent of a Number

Always change percent to decimal to work with it!

" \times " means multiply.

Examples

1. Determine the percent of each.

$$\begin{aligned} \text{a) } 200\% \text{ of } 3000 & \quad 200\% \div 100\% \\ & = 2 \quad \times \quad 3000 \end{aligned}$$

$$= 6000$$

$$\text{b) } 2\frac{1}{4}\% \text{ of } 120$$

$$2.25\% \text{ of } 120$$

$$= 0.0225 \times 120$$

$$= 2.7$$

$$\text{c) } 0.2\% \text{ of } 80$$

$$= 0.002 \times 80$$

$$= 0.16$$

2. Find the percent to the nearest hundredth.

$$\text{a) } \frac{3}{5}\% \text{ of } 435$$

$$= 0.6\% \text{ of } 435$$

$$= 0.006 \times 435$$

$$= 2.61$$

$$\text{b) } 16\frac{3}{4}\% \text{ of } 1060$$

$$16.75\% \text{ of } 1060$$

$$= 0.1675 \times 1060$$

$$= 177.55$$

c) 185% of \$ 235.60

= 1.85 x \$ 235.60

$\boxed{= \$ 435.86}$

* If the percent is smaller than 100 the number should go down.

65% of $\boxed{200}$ ans should be smaller!

* If the percent is bigger than 100 the number should go up.

320% of $\boxed{80}$ ans should be larger.

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* Calculate all answers - No mental math!