

Percents: Finding the Percent of a Number

Here are two methods you can use to find the percent of a number:

Find **20%** of **130**.

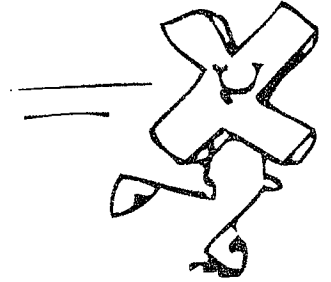
Multiply by an equivalent fraction.

$$\begin{aligned} 20\% \text{ of } 130 &= 20\% \times 130 \\ &= \frac{20}{100} \times 130 \\ &= \frac{1}{5} \times 130 \\ &= \mathbf{26} \end{aligned}$$

Find **4%** of **25**.

Multiply by an equivalent decimal.

$$\begin{aligned} 4\% \text{ of } 25 &= 4\% \times 25 \\ &= 0.04 \times 25 \\ &= 0.04 \\ &\quad \times 25 \\ &= \mathbf{1.00} \text{ or } \mathbf{1} \end{aligned}$$



Solve using either method.

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|----|--------------|--------------|---------------|---------------|
| 1. | 3% of 10 = | 4% of 30 = | 16% of 80 = | 15% of 60 = |
| 2. | 18% of 36 = | 6% of 80 = | 9% of 90 = | 11% of 44 = |
| 3. | 8% of 68 = | 9% of 75 = | 62% of 62 = | 44% of 76 = |
| 4. | 4% of 400 = | 3% of 200 = | 37% of 51 = | 28% of 43 = |
| 5. | 1% of 246 = | 5% of 286 = | 60% of 300 = | 40% of 125 = |
| 6. | 120% of 30 = | 150% of 40 = | 125% of 400 = | 108% of 250 = |