

Reteach**Percent of a Number****Example 1** Find 25% of 260.

Method 1:

Write 25% as a fraction in simplest form.
Use the fraction in a multiplication problem.

$$\begin{aligned}25\% &= \frac{25}{100} \text{ or } \frac{1}{4} \\25\% \text{ of } 260 &= \frac{1}{4} \times 260 \\&= 65\end{aligned}$$

So, 25% of 260 is 65.

Method 2:

Write 25% as a decimal.
Then write a multiplication problem.

$$\begin{aligned}25\% &= 0.25 \\25\% \text{ of } 260 &= 0.25 \times 260 \\&= 65\end{aligned}$$

Example 2 Find 175% of 56.

Method 1:

Write 175% as a fraction in simplest form.
Use the fraction in a multiplication problem.

$$\begin{aligned}175\% &= \frac{175}{100} \text{ or } \frac{7}{4} \\175\% \text{ of } 56 &= \frac{7}{4} \times 56 \\&= \frac{7}{\cancel{4}_1} \times \frac{5\cancel{6}^{14}}{1} \\&= 98\end{aligned}$$

So, 175% of 56 is 98.

Method 2:

Write 175% as a decimal.
Then write a multiplication problem.

$$\begin{aligned}175\% &= 1.75 \\175\% \text{ of } 56 &= 1.75 \times 56 \\&= 98\end{aligned}$$

Exercises**Find the percent of each number.**

1. 48% of 50

2. 40% of 95

3. 75% of 116

4. 8% of 85

5. 98% of 30

6. 0.3% of 460

7. 15% of 342

8. 350% of 60

9. 0.25% of 500

10. 2.7% of 110