

Lesson 7 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.

$$25\% = \frac{25}{100} \text{ or } \frac{1}{4}$$

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

Method 2:

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

$$25\% = 0.25$$

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

Example 2

Find 175% of 56.

Method 1:

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

$$175\% = \frac{175}{100} \text{ or } \frac{7}{4}$$

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

Method 2:

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

$$175\% = 1.75$$

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

So, 175% of 56 is 98.

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