

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.

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

$$25\% \text{ of } 260 = \frac{1}{4} \times 260$$

$$= 65$$

So, 25% of 260 is 65.

Method 2:

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

$$25\% = 0.25$$

$$25\% \text{ of } 260 = 0.25 \times 260$$

$$= 65$$

Example 2 Find 175% of 56.

Method 1:

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

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

$$175\% \text{ of } 56 = \frac{7}{4} \times 56$$

$$= \frac{7}{\cancel{4}_1} \times \frac{5\cancel{6}^{14}}{1}$$

$$= 98$$

So, 175% of 56 is 98.

Method 2:

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

$$175\% = 1.75$$

$$175\% \text{ of } 56 = 1.75 \times 56$$

$$= 98$$

Find the percent of each number.

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|-----------------|-----------------|
| 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 |