

7-1**Study Guide and Intervention*****Percent of a Number***

You can use a proportion or multiplication to find the percent of a number.

Example 1 Find 25% of 80.

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

Write 25% as a fraction, and reduce to lowest terms.

$$\frac{1}{4} \text{ of } 80 = \frac{1}{4} \times 80 \text{ or } 20$$

Multiply.

So, 25% of 80 is 20.

Example 2 What number is 15% of 200?

$$\begin{aligned} 15\% \text{ of } 200 &= 15\% \times 200 \\ &= 0.15 \times 200 \\ &= 30 \end{aligned}$$

Write a multiplication expression.

Write 15% as a decimal.

Multiply.

So, 15% of 200 is 30.

Exercises

Find each number.

1. Find 20% of 50. **10**
2. What is 55% of \$400? **\$220**
3. 5% of 1,500 is what number? **75**
4. Find 190% of 20. **38**
5. What is 24% of \$500? **\$120**
6. 8% of \$300 is how much? **\$24**
7. What is 12.5% of 60? **7.5**
8. Find 0.2% of 40. **0.08**
9. Find 3% of \$800. **\$24**
10. What is 0.5% of 180? **0.9**
11. 0.25% of 42 is what number? **0.105**
12. What is 0.02% of 280? **0.056**