



Name _____ Date _____

Percent of a Number (pages 340–343)

To find the percent of a number, you can change the percent to a fraction or to a decimal, and then multiply by the number. You can also use a calculator.

Finding the Percent of a Number

- Method 1: Change the percent to a fraction and multiply.
- Method 2: Change the percent to a decimal and multiply.

EXAMPLES

A Find 25% of 56.

$$25\% = \frac{1}{4}$$

$$\frac{1}{4} \times 56 = 14$$

25% of 56 is 14.

B Find 103% of 60.

$$103\% = \frac{103}{100} \text{ which is } 1.03$$

$$1.03 \times 60 = 61.8$$

103% of 60 is 61.8.

Notice that when you take a percent greater than 100 of a number, the answer is greater than the number.

Try These Together

1. Find 0.5% of 30.

HINT: Rewrite the percent as $\frac{0.5}{100}$ and

then as $\frac{5}{1,000}$ or 0.005. Then multiply.

2. Find 7% of 40.

HINT: Rewrite 7% as $\frac{7}{100}$ or 0.07.

PRACTICE

Find the percent of each number.

- | | | | |
|----------------|----------------|---------------|---------------|
| 3. 25% of 20 | 4. 40% of 65 | 5. 35% of 80 | 6. 60% of 35 |
| 7. 80% of 120 | 8. 75% of 64 | 9. 10% of 70 | 10. 20% of 45 |
| 11. 33% of 300 | 12. 20% of 120 | 13. 50% of 64 | 14. 90% of 60 |
15. What is 90% of 70?
16. Find 80% of 80.
17. **Games** 75% of the games sold at a game store are board games. If the game store sold 256 games in one day, how many of those games were board games?
18. **Banking** Catalina's mother went to the bank to take out \$40.00. She asked for 50% of the \$40.00 in dollar bills. How much money did she receive in dollar bills?



19. Standardized Test Practice What is 30% of 90?

A 27

B 30

C 33

D 24

Answers: 1. 0.15 2. 2.8 3. 5 4. 26 5. 28 6. 21 7. 96 8. 48 9. 7 10. 9 11. 99 12. 24 13. 32 14. 54 15. 63 16. 64 17. 192 18. \$20.00 19. A