Practice A 3.7 Practice A For use with pages 176–181

- Write the percent as a decimal.
 - **2.** 6%
- **3.** 82%
- **4.** 55%

- 40%
 99%
- **6.** 45.5%
- **7.** 1.1%
- **8.** 103%

Identify the percent, the base, and the part of the base in the statement.

- **9.** 42 is 30% of 140.
- **10.** 50% of 90 is 45.
- **11.** 5 is 10% of 50.

- **12.** 16% of 250 is 40.
- **13.** 1.1% of 500 is 5.5.
- **14.** 12.6 is 18% of 70.

Use a proportion to answer the question.

15. What percent of 20 is 6?

- **16.** What percent of 130 is 52?
- **17.** What number is 20% of 125?
- **18.** What number is 45% of 300?

19. 6 is 10% of what number?

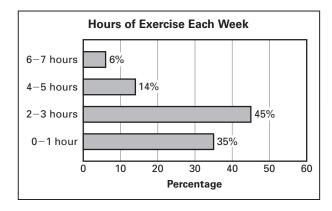
20. 72 is 36% of what number?

Use the percent equation to answer the question.

21. What percent of 60 is 6?

- **22.** What percent of 80 is 12?
- **23.** What number is 25% of 60?
- **24.** What number is 70% of 180?

- **25.** 18 is 20% of what number?
- **26.** 190 is 95% of what number?
- **27. Sweater** You bought a sweater on sale for \$15. The original price of the sweater was \$40. What percent of the original price was the sale price?
- **28. Aquarium** You have filled 15% of a 30-gallon aquarium with water. How much water have you put into the aquarium?
- **29. Research Paper** You have written 4 pages of a research paper. This is 80% of the number of pages you need to complete the paper. How many pages is the paper supposed to be?
- **30. Exercise** A survey asked 300 people how many hours a week they exercise. The results are shown in the graph.
 - **a.** How many people exercised 0–1 hour per week?
 - **b.** How many people exercised 2–3 hours per week?
 - **c.** How many people exercised 4–5 hours per week?
 - **d.** How many people exercised 6–7 hours per week?



ESSON 3.7