

LESSON
3.7**Practice B***For use with pages 176–181***Use a proportion to answer the question.**

1. What percent of 125 is 25?
2. What percent of 70 is 14?
3. What number is 15% of 80?
4. What number is 65% of 180?
5. 3 is 2% of what number?
6. 384 is 64% of what number?

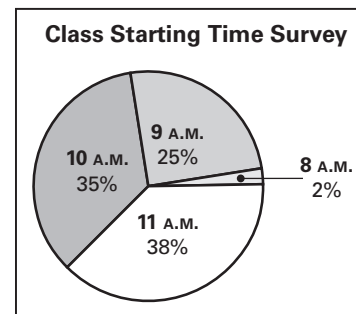
Use the percent equation to answer the question.

7. What percent of 64 is 16?
8. What percent of 160 is 128?
9. What number is 12% of 225?
10. What number is 85% of 360?
11. 4.8 is 8% of what number?
12. 25.8 is 86% of what number?

Find the percent. Round your answer to the nearest whole percent when necessary.

13. \$6 tip for a \$40 dinner
14. \$8.10 tax on an item priced at \$135
15. 46 musicians out of 230 people
16. 18 action movies out of 45 movies
17. **Antarctica** Antarctica comprises about 10.5% of the total land area on Earth. Antarctica has a surface area of about 5,400,000 square miles. What is the total land area on Earth?
18. **Part-Time Job** So far this week, you have worked 10 hours at your part-time job. This is 80% of the number of hours you work each week. How many hours do you work each week?

19. **Class Times** The circle graph shows the results of a survey in which 500 college students were asked which time they preferred to start classes for the day.



- a. How many students who participated in the survey want to start classes at 8 A.M.?
- b. How many students who participated in the survey want to start classes at 9 A.M.?
- c. How many students who participated in the survey want to start classes at either 10 or 11 A.M.?
20. **Boots** Last year you bought a pair of designer boots on sale for \$84. Your friend bought the same boots this year for \$120. Which statements are correct?
 - a. You paid 30% less than your friend paid.
 - b. Your friend paid 50% more than you did.
 - c. You paid 70% of what your friend paid.