Name Date

Chapter 5 Study Guide

Find the missing values in the ratio table. Then write the equivalent ratios.

|  |  |  |  |
| --- | --- | --- | --- |
| Players | 12 |  | 84 |
| Coaches | 1 | 4 |  |

1. 2.

|  |  |  |  |
| --- | --- | --- | --- |
| Dogs | 5 | 15 |  |
| Cats | 3 |  | 15 |

Write a unit rate for the situation.

3. $4.50 for 6 energy drinks 4. 320 yards in 8 minutes

Determine which vehicle gets better gas mileage.

|  |  |  |
| --- | --- | --- |
| Truck | A | B |
| Distance (miles) | 90 | 120 |
| Gallons used | 4 | 5 |

5.

Write the fraction or mixed number as a percent.

6.  7. 

Find the percent, part or whole.

8. 12% of 30 9. 45% of what number is 27?

10. The ratio of white flour to whole wheat flour in a bread recipe   
is 2 : 3. The recipe uses 10 cups of flour. How much of each   
type of flour is needed?

In Exercises 11–13, use the incomplete table that shows the number   
of three-point shots attempted and made by two members of a basketball team last season.

|  |  |  |
| --- | --- | --- |
| Player | Parker | Jones |
| Three-point shots attempted | 24 | ? |
| Three-point shots made | 6 | 6 |
| Three-point shot percentage | ? | 40% |

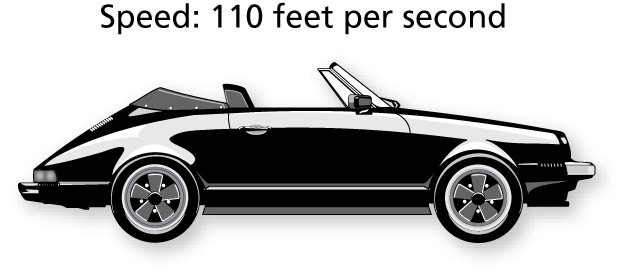
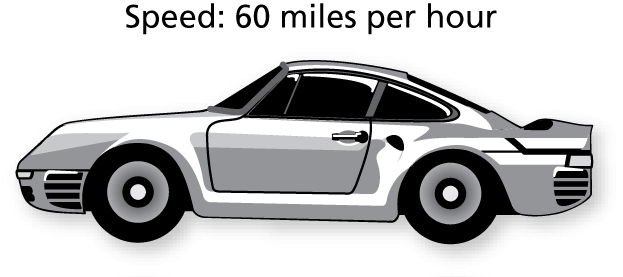
11. Which player made a greater percent of his three-point shots?

12. How many shots did Jones attempt?

13. Another player attempted 125% of the number of three-point shots Parker attempted. This player made 30% of his three-point shots. How many three-point shots did this player make?

14. You answer 95% of the questions correctly on a 40-question test.   
How many questions do you answer *incorrectly*?

15. Determine which car is traveling faster. Explain your reasoning.

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