

Practice 5-3

Percents and Proportions

Use a proportion to solve each problem.

1. What percent is 21 of 50?

2. What is 45% of 72?

3. 83 is 70% of what number?

4. 45 is what percent of 65?

Use a proportion to solve each problem.

5. 78% of 58 is _____.

6. 86 is 12% of _____.

7. 90 is _____ of 65.

8. 40 is 17% of _____.

9. 57 is 31% of _____.

10. 280% of _____ is 418.

11. What percent of 16 is 40?

12. 65 is 60% of what number?

13. What is 175% of 48?

14. 210 is what percent of 70?

15. What percent of 56 is 7?

16. 68 is 50% of what number?

17. What is 63% of 148?

18. 215 is what percent of 400?

Solve.

19. In 1990, the population of El Paso, Texas, was 515,342. Of this population, 69% were of Hispanic origin. How many people were of Hispanic origin?

20. Bangladesh covers 55,598 mi². Of this land, 2,224 mi² are meadows and pastures. What percent of the land is meadow and pasture?

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Puzzle 5-3

Percents and Proportions

The 8th grade class was interested in the types of pets students had. They conducted a survey of 474 students and found that they owned a total of 603 pets. Answer the questions below to find out which pet was the most popular with students in the 8th grade class.

The survey found that students owned a total of 127 cats. What percent of the pets were cats? _____

The survey showed that horses made up 51 of the total pets. What percent of pets were horses? _____

The students owned a total of 69 hamsters. What percent of pets were hamsters? _____

Eighth graders had a total of 42 goldfish. What percent of pets were goldfish? _____

Of the remaining types of pets, 8% fall under the category of *other*. Determine what percentage of pets remain unaccounted for and circle the most popular pet below.

35%
snakes

44%
dogs

23%
goats

51%
birds