

Practice Worksheet 10-1

The Percent Proportion

Express each fraction as a percent.

1. $\frac{17}{100}$

2. $\frac{16}{25}$

3. $\frac{3}{4}$

4. $\frac{7}{8}$

5. $\frac{31}{1000}$

6. $\frac{5}{5}$

7. $\frac{12}{16}$

8. $\frac{7}{10}$

9. $\frac{17}{20}$

10. $\frac{4}{9}$

11. $\frac{1}{3}$

12. $\frac{5}{6}$

Match each question with its corresponding proportion.

13. What number is 12% of 6?

a. $\frac{6}{12} = \frac{x}{100}$

14. 6 is what percent of 12?

b. $\frac{x}{6} = \frac{12}{100}$

15. 6 is 12% of what number?

c. $\frac{6}{x} = \frac{12}{100}$

Write a percent proportion to solve each problem. Round answers to the nearest tenth.

16. Find 62.5% of 32.

17. What is 19% of 200?

18. 6 is what percent of 72?

19. 16 is 40% of what number?

20. 22 is what percent of 70?

21. 9 is 2% of what number?

22. What is 35% of 84?

23. 42 is what percent of 150?

24. Kleema owns 40 music CD's. Fifteen of her CD's are recordings done by rap groups. What percent of her CD collection is rap music?

Practice Worksheet 10-6

The Percent Proportion.

Solve using the $\frac{IS}{OF} = \frac{P}{100}$ Proportion, show work

1. What number is 32% of 200?
2. What percent of 60 is 12?
3. 16 is 40% of what number?
4. Find $12\frac{1}{2}\%$ of 72.
5. 30% of what amount is \$2,400?
6. \$15 is what percent of \$240?
7. What percent of 120 is 48?
8. 6 is what percent of 200?

Solve.

9. Find 106% of 55.
10. What percent of 80 is 15?
11. \$4 is what percent of \$50?
12. Find 0.5% of 640.
13. 35% of what number is 56?
14. What percent of 1,000 is 2?
15. What is 2.3% of 610?
16. 96 is 75% of what number?
17. 91 is 140% of what number?
18. What percent of 200 is 400?
19. How much sales tax, at a rate of 5.5%, is due on the sale of a \$8,696 car?
20. A surprise quiz was passed by 24 out of 28 students. What percent passed?