

## Proportion Practice

A. Solve for the missing term in each proportion problem. Note: Answers will not always be whole numbers.

1.  $\frac{2}{5} = \frac{x}{18}$

5.  $\frac{4}{8212} = \frac{7}{x}$

9.  $\frac{20}{23} = \frac{100}{x}$

13.  $\frac{3}{19} = \frac{x}{134}$

2.  $\frac{3}{5} = \frac{27}{x}$

6.  $\frac{25}{n} = \frac{400}{x}$

10.  $\frac{85.96}{2} = \frac{x}{3}$

14.  $\frac{9}{\$80.10} = \frac{x}{\$284.80}$

3.  $\frac{6}{3} = \frac{2}{x}$

7.  $\frac{7}{30} = \frac{x}{9}$

11.  $\frac{12}{5} = \frac{3}{x}$

15.  $\frac{\$26.00}{4} = \frac{x}{7}$

4.  $\frac{15}{2} = \frac{x}{8}$

8.  $\frac{0.5}{12} = \frac{3}{x}$

12.  $\frac{1}{60} = \frac{2.5}{x}$

16.  $\frac{24}{96} = \frac{7}{x}$

B. Choose the one best answer to each question.

17. A store is advertising the following sale:

Tomato Soup 4 cans for \$0.98
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To the nearest cent, how much would five cans of tomato soup cost?

- A. \$0.25
- B. \$1.23
- C. \$2.45
- D. \$2.75
- E. \$4.90

18. The Bay City Cardinals have won 5 out of 8 games. At the same rate, how many games will they have to play to win 60 games?

- A. 180
- B. 150
- C. 120
- D. 108
- E. 96

19. Carla drove her truck 414 miles on 18 gallons of gasoline. How many miles did she drive per gallon?

- A. 18
- B. 23
- C. 54
- D. 74
- E. 95

20. The scale on a map reads, "2 cm = 150 km." How many kilometers would be represented by a distance of 4.6 centimeters?

- A. 300
- B. 345
- C. 690
- D. 830
- E. 1,380

21. Two ingredients in a recipe are  $2\frac{1}{2}$  cups of flour and  $1\frac{1}{2}$  cups of sugar. If June keeps the proportion the same, how many cups of flour should she add to 4 cups of sugar?

- A.  $6\frac{2}{3}$
- B. 6
- C. 5
- D.  $3\frac{3}{4}$
- E. 3

22. Claudia drove 155 miles in 2.5 hours. Which of the following expressions could be used to find how many miles she can drive in 7 hours?

- A.  $155 \times 7 + 2.5$
- B.  $2.5 \times 7 + 155$
- C.  $155 \times 2.5 + 47$
- D.  $7 \times 2.5 \times 155$
- E.  $7 \times 155$