

# 9-4 Practice

## Using Proportions

Student Edition  
Pages 444–447

Write = or  $\neq$  in each blank to make a true statement.

1.  $\frac{4}{6}$  \_\_\_\_\_  $\frac{2}{3}$

2.  $\frac{16}{4}$  \_\_\_\_\_  $\frac{20}{8}$

3.  $\frac{21}{28}$  \_\_\_\_\_  $\frac{3}{4}$

4.  $\frac{4}{5}$  \_\_\_\_\_  $\frac{1.2}{1.5}$

5.  $\frac{2.1}{4.9}$  \_\_\_\_\_  $\frac{6}{1.4}$

6.  $\frac{2.6}{4}$  \_\_\_\_\_  $\frac{1.6}{0.25}$

Solve each proportion.

7.  $\frac{1}{8} = \frac{2}{d}$

8.  $\frac{x}{6} = \frac{15}{18}$

9.  $\frac{0.4}{m} = \frac{2}{4.5}$

10.  $\frac{r}{10} = \frac{21}{7}$

11.  $\frac{4}{p} = \frac{8}{11}$

12.  $\frac{17}{50} = \frac{x}{25}$

13.  $\frac{8}{12} = \frac{b}{48}$

14.  $\frac{0.18}{0.09} = \frac{h}{0.06}$

15.  $\frac{0.25}{0.5} = \frac{m}{8}$

16.  $\frac{10}{2.4} = \frac{p}{2.64}$

17.  $\frac{85.8}{d} = \frac{70.2}{9}$

18.  $\frac{0.6}{1.1} = \frac{s}{8.47}$

19.  $\frac{9}{15} = \frac{3x}{10}$

20.  $\frac{2}{3} = \frac{x+4}{18}$

21.  $\frac{4.5}{y+5} = \frac{5}{10}$

Write a proportion that could be used to solve for each variable. Then solve the problem.

22. 1 subscription for \$21  
28 subscriptions for  $x$  dollars

23. 20 ounces at \$7  
17 ounces at  $x$  dollars

24. 225 bushels for 3 acres  
 $x$  bushels for 9.6 acres

25. 25 cm by 35 cm enlarged to 150 cm  
by  $x$  cm

26. 450 km or 45 liters  
1500 km on  $x$  liters

27. 3 shirts for \$56.85  
 $x$  shirts for \$132.65