

9-4 Practice

Using Proportions

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