

Solving Proportions*Solve each proportion. Check your answers.*

1. $\frac{7}{16} = \frac{x}{32}$

2. $\frac{y}{9} = \frac{4}{12}$

3. $\frac{5}{a} = \frac{9}{27}$

4. $\frac{18}{24} = \frac{6}{d}$

5. $\frac{7}{4} = \frac{21}{x}$

6. $\frac{15}{6} = \frac{n}{2}$

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

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

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

10. $\frac{c}{8} = \frac{32}{64}$

11. $\frac{3.5}{150} = \frac{10.5}{a}$

12. $\frac{f}{\$1.50} = \frac{7}{5}$

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. $\frac{5}{2} = \frac{x}{4}$

17. $\frac{15}{11} = \frac{a}{22}$

18. $\frac{4.2}{c} = \frac{7}{12}$

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

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

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

22. $\frac{4}{11} = \frac{12}{x}$

23. $\frac{2}{3} = \frac{0.8}{n}$

24. $\frac{7}{12} = \frac{1.68}{b}$

25. $\frac{f}{7.5} = \frac{1.9}{5.7}$

26. $\frac{p}{36} = \frac{11.76}{35.28}$

27. $\frac{n}{48} = \frac{5.22}{13.92}$

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

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

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

Solve. Use the proportion given.

31. At 75¢ an hour, how many hours will it take to earn \$9.00?

$$\frac{\$0.75}{1} = \frac{\$9.00}{p}$$

32. Tara rides her bike 2 miles in 15 minutes. How far can she go in 1 hour?

$$\frac{2}{15} = \frac{r}{60}$$