

Lesson 6 Skills Practice

Solve Proportional Relationships

Determine whether each pair of ratios form a proportion.

1. $\frac{5}{8}, \frac{2}{3}$

2. $\frac{7}{3}, \frac{14}{6}$

3. $\frac{6}{8}, \frac{9}{12}$

4. $\frac{16}{9}, \frac{11}{6}$

5. $\frac{55}{10}, \frac{12}{2}$

6. $\frac{6}{8}, \frac{15}{20}$

7. $\frac{5}{9}, \frac{15}{27}$

8. $\frac{3}{18}, \frac{11}{66}$

9. $\frac{7}{11}, \frac{15}{23}$

10. $\frac{9}{13}, \frac{13}{17}$

11. $\frac{3}{42}, \frac{5}{70}$

12. $\frac{6}{7}, \frac{36}{49}$

Solve each proportion.

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

14. $\frac{6}{18} = \frac{4}{c}$

15. $\frac{7}{z} = \frac{84}{12}$

16. $\frac{5}{10} = \frac{8}{w}$

17. $\frac{x}{9} = \frac{4}{15}$

18. $\frac{6}{20} = \frac{y}{5}$

19. $\frac{5}{9} = \frac{6}{r}$

20. $\frac{8}{n} = \frac{10}{7}$

21. $\frac{d}{5} = \frac{12}{80}$

22. $\frac{y}{5} = \frac{13}{10}$

23. $\frac{2}{28} = \frac{p}{35}$

24. $\frac{11}{t} = \frac{100}{11}$

25. $\frac{1.2}{m} = \frac{3}{5}$

26. $\frac{0.9}{0.5} = \frac{a}{10}$

27. $\frac{3}{7} = \frac{k}{4.2}$

28. $\frac{6.3}{x} = \frac{18}{5}$

29. $\frac{3.6}{9} = \frac{b}{0.5}$

30. $\frac{14}{1.5} = \frac{4.2}{y}$