Lesson 6 Skills Practice

Solve Proportional Relationships

Determine whether each pair of ratios form a proportion.

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

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

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

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

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

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

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

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

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

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

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

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

Solve each proportion.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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