

**Practice****Solving Proportions**

Determine whether each pair of ratios forms a proportion.

1. $\frac{8}{12}, \frac{12}{18}$

2. $\frac{4}{6}, \frac{5}{9}$

3. $\frac{5}{10}, \frac{6}{12}$

4. $\frac{8}{10}, \frac{12}{15}$

5. $\frac{9}{12}, \frac{12}{18}$

6. $\frac{15}{10}, \frac{9}{6}$

7. $\frac{28}{35}, \frac{8}{10}$

8. $\frac{16}{18}, \frac{24}{27}$

9. $\frac{5}{12}, \frac{7}{14}$

10. $\frac{16}{36}, \frac{24}{53}$

Solve each proportion.

11. $\frac{a}{3} = \frac{10}{15}$

12. $\frac{m}{4} = \frac{7}{14}$

13. $\frac{8}{14} = \frac{12}{y}$

14. $\frac{28}{35} = \frac{8}{w}$

15. $\frac{5}{10} = \frac{4}{n}$

16. $\frac{c}{21} = \frac{4}{6}$

17. $\frac{x}{13} = \frac{12}{26}$

18. $\frac{9}{d} = \frac{15}{40}$

19. $\frac{16}{20} = \frac{p}{15}$

20. $\frac{3}{7} = \frac{e}{4}$

21. $\frac{n}{85} = \frac{7}{119}$

22. $\frac{44}{72} = \frac{x}{108}$