

Grade 7 Proportions Worksheet

Name: _____ Date: _____ Score: _____

Solve each proportion. Write your answer on the line.

- | | | | |
|--|--|--|--|
| 1. Solve: $\frac{2}{4} = \frac{10}{x}$.
What is x?
_____ | 2. Solve: $\frac{5}{5} = \frac{6}{x}$.
What is x?
_____ | 3. Solve: $\frac{5}{3} = \frac{20}{x}$.
What is x?
_____ | 4. Solve: $\frac{6}{2} = \frac{30}{x}$.
What is x?
_____ |
| 5. Solve: $\frac{2}{3} = \frac{2}{x}$.
What is x?
_____ | 6. Solve: $\frac{4}{2} = \frac{12}{x}$.
What is x?
_____ | 7. Solve: $\frac{5}{5} = \frac{8}{x}$.
What is x?
_____ | 8. Solve: $\frac{4}{8} = \frac{6}{x}$.
What is x?
_____ |
| 9. Solve: $\frac{6}{5} = \frac{24}{x}$.
What is x?
_____ | 10. Solve: $\frac{5}{5} = \frac{7}{x}$.
What is x?
_____ | 11. Solve: $\frac{4}{6} = \frac{4}{x}$.
What is x?
_____ | 12. Solve: $\frac{3}{4} = \frac{3}{x}$.
What is x?
_____ |
| 13. Solve: $\frac{3}{6} = \frac{15}{x}$.
What is x?
_____ | 14. Solve: $\frac{8}{4} = \frac{2}{x}$.
What is x?
_____ | 15. Solve: $\frac{5}{3} = \frac{25}{x}$.
What is x?
_____ | 16. Solve: $\frac{6}{6} = \frac{3}{x}$.
What is x?
_____ |
| 17. Solve: $\frac{5}{4} = \frac{15}{x}$.
What is x?
_____ | 18. Solve: $\frac{3}{6} = \frac{7}{x}$.
What is x?
_____ | 19. Solve: $\frac{2}{3} = \frac{8}{x}$.
What is x?
_____ | 20. Solve: $\frac{5}{2} = \frac{25}{x}$.
What is x?
_____ |
| 21. Solve: $\frac{4}{6} = \frac{20}{x}$.
What is x?
_____ | 22. Solve: $\frac{7}{5} = \frac{7}{x}$.
What is x?
_____ | 23. Solve: $\frac{5}{2} = \frac{5}{x}$.
What is x?
_____ | 24. Solve: $\frac{4}{4} = \frac{7}{x}$.
What is x?
_____ |
| 25. Solve: $\frac{2}{6} = \frac{10}{x}$.
What is x?
_____ | 26. Solve: $\frac{4}{2} = \frac{16}{x}$.
What is x?
_____ | 27. Solve: $\frac{2}{2} = \frac{6}{x}$.
What is x?
_____ | 28. Solve: $\frac{6}{4} = \frac{30}{x}$.
What is x?
_____ |
| 29. Solve: $\frac{6}{3} = \frac{6}{x}$.
What is x?
_____ | 30. Solve: $\frac{5}{4} = \frac{25}{x}$.
What is x?
_____ | 31. Solve: $\frac{2}{2} = \frac{10}{x}$.
What is x?
_____ | 32. Solve: $\frac{6}{4} = \frac{12}{x}$.
What is x?
_____ |

33.

34.

35.

36.

Solve: $6/3 = 4/x$.
What is x ?

Solve: $2/3 = 10/x$.
What is x ?

Solve: $2/2 = 8/x$.
What is x ?

Solve: $5/7 = 5/x$.
What is x ?

37. Solve: $7/7 = 8/x$.
What is x ?

38. Solve: $6/2 = 18/x$.
What is x ?

39. Solve: $5/4 = 10/x$.
What is x ?

40. Solve: $2/8 = 3/x$.
What is x ?

ANSWER KEY

Grade 7 Proportions Worksheet

- | | | | |
|--|--|--|--|
| 1. Solve: $\frac{2}{4} = \frac{10}{x}$.
What is x?
20 | 2. Solve: $\frac{5}{5} = \frac{6}{x}$.
What is x?
6 | 3. Solve: $\frac{5}{3} = \frac{20}{x}$.
What is x?
12 | 4. Solve: $\frac{6}{2} = \frac{30}{x}$.
What is x?
10 |
| 5. Solve: $\frac{2}{3} = \frac{2}{x}$.
What is x?
3 | 6. Solve: $\frac{4}{2} = \frac{12}{x}$.
What is x?
6 | 7. Solve: $\frac{5}{5} = \frac{8}{x}$.
What is x?
8 | 8. Solve: $\frac{4}{8} = \frac{6}{x}$.
What is x?
12 |
| 9. Solve: $\frac{6}{5} = \frac{24}{x}$.
What is x?
20 | 10. Solve: $\frac{5}{5} = \frac{7}{x}$.
What is x?
7 | 11. Solve: $\frac{4}{6} = \frac{4}{x}$.
What is x?
6 | 12. Solve: $\frac{3}{4} = \frac{3}{x}$.
What is x?
4 |
| 13. Solve: $\frac{3}{6} = \frac{15}{x}$.
What is x?
30 | 14. Solve: $\frac{8}{4} = \frac{2}{x}$.
What is x?
1 | 15. Solve: $\frac{5}{3} = \frac{25}{x}$.
What is x?
15 | 16. Solve: $\frac{6}{6} = \frac{3}{x}$.
What is x?
3 |
| 17. Solve: $\frac{5}{4} = \frac{15}{x}$.
What is x?
12 | 18. Solve: $\frac{3}{6} = \frac{7}{x}$.
What is x?
14 | 19. Solve: $\frac{2}{3} = \frac{8}{x}$.
What is x?
12 | 20. Solve: $\frac{5}{2} = \frac{25}{x}$.
What is x?
10 |
| 21. Solve: $\frac{4}{6} = \frac{20}{x}$.
What is x?
30 | 22. Solve: $\frac{7}{5} = \frac{7}{x}$.
What is x?
5 | 23. Solve: $\frac{5}{2} = \frac{5}{x}$.
What is x?
2 | 24. Solve: $\frac{4}{4} = \frac{7}{x}$.
What is x?
7 |
| 25. Solve: $\frac{2}{6} = \frac{10}{x}$.
What is x?
30 | 26. Solve: $\frac{4}{2} = \frac{16}{x}$.
What is x?
8 | 27. Solve: $\frac{2}{2} = \frac{6}{x}$.
What is x?
6 | 28. Solve: $\frac{6}{4} = \frac{30}{x}$.
What is x?
20 |
| 29. Solve: $\frac{6}{3} = \frac{6}{x}$.
What is x?
3 | 30. Solve: $\frac{5}{4} = \frac{25}{x}$.
What is x?
20 | 31. Solve: $\frac{2}{2} = \frac{10}{x}$.
What is x?
10 | 32. Solve: $\frac{6}{4} = \frac{12}{x}$.
What is x?
8 |
| 33. Solve: $\frac{6}{3} = \frac{4}{x}$.
What is x? | 34. Solve: $\frac{2}{3} = \frac{10}{x}$.
What is x? | 35. Solve: $\frac{2}{2} = \frac{8}{x}$.
What is x? | 36. Solve: $\frac{5}{7} = \frac{5}{x}$.
What is x? |

2

15

8

7

37. Solve: $7/7 = 8/x$.
What is x ?

8

38. Solve: $6/2 = 18/x$.
What is x ?

6

39. Solve: $5/4 = 10/x$.
What is x ?

8

40. Solve: $2/8 = 3/x$.
What is x ?

12