

Multiply a Fraction by a Fraction

Multiply.

1. $\frac{1}{2} \times \frac{3}{8} =$ _____

2. $\frac{7}{12} \times \frac{4}{5} =$ _____

3. $\frac{3}{4} \times \frac{1}{9} =$ _____

4. $\frac{4}{9} \times \frac{5}{6} =$ _____

5. $\frac{3}{4} \times \frac{1}{3} =$ _____

6. $\frac{5}{8} \times \frac{3}{10} =$ _____

7. $\frac{2}{9} \times \frac{1}{2} =$ _____

8. $\frac{3}{5} \times \frac{3}{8} =$ _____

9. $\frac{8}{9} \times \frac{5}{16} =$ _____

10. $\frac{1}{5} \times \frac{7}{12} =$ _____

11. $\frac{3}{10} \times \frac{1}{4} =$ _____

12. $\frac{5}{7} \times \frac{7}{9} =$ _____

13. $\frac{9}{20} \times \frac{2}{3} =$ _____

14. $\frac{3}{5} \times \frac{7}{12} =$ _____

15. $\frac{1}{16} \times \frac{8}{9} =$ _____

16. $\frac{2}{3} \times \frac{3}{5} =$ _____

17. $\frac{2}{7} \times \frac{13}{20} =$ _____

18. $\frac{4}{5} \times \frac{7}{16} =$ _____

19. $\frac{11}{12} \times \frac{6}{7} =$ _____

20. $\frac{2}{3} \times \frac{7}{8} =$ _____

21. $\frac{1}{6} \times \frac{1}{12} =$ _____

22. $\frac{5}{9} \times \frac{3}{20} =$ _____

23. $\frac{9}{16} \times \frac{2}{3} =$ _____

24. $\frac{3}{20} \times \frac{4}{5} =$ _____

Algebra & Functions Find n so that each expression is true.

25. $\frac{1}{6} \times \frac{n}{2} = \frac{1}{12}$

$n =$ _____

26. $\frac{5}{6} \times \frac{n}{8} = \frac{15}{48}$

$n =$ _____

27. $\frac{7}{8} \times \frac{n}{8} = \frac{35}{64}$

$n =$ _____

28. $\frac{2}{3} \times \frac{n}{8} = \frac{7}{12}$

$n =$ _____

29. $\frac{4}{5} \times \frac{n}{4} = \frac{3}{5}$

$n =$ _____

30. $\frac{3}{4} \times \frac{n}{6} = \frac{5}{8}$

$n =$ _____

Problem Solving

31. Each year the Gardners plant $\frac{7}{8}$ of an acre with tomatoes. They sell half of what they grow at a roadside stand. What part of an acre do the Gardners use for the tomatoes they sell?

32. The Wilsons' garden covers $\frac{5}{8}$ acre. One fourth of the garden is planted with flowers. The rest is vegetables. What part of an acre is planted with flowers? with vegetables?
