Divide Fractions

Divide. Write each answer in simplest form.

1. \(6 \div \frac{1}{5}\)  2. \(\frac{1}{8} \div \frac{3}{4}\)  3. \(\frac{2}{3} \div 6\)  4. \(15 \div \frac{5}{6}\)

5. \(\frac{3}{5} \div 3\)  6. \(\frac{1}{2} \div 8\)  7. \(10 \div \frac{2}{5}\)  8. \(3 \div 12\)

9. \(\frac{3}{4} \div \frac{3}{8}\)  10. \(\frac{1}{4} \div 12\)  11. \(4 \div \frac{4}{5}\)  12. \(\frac{5}{9} \div \frac{3}{9}\)

13. \(\frac{4}{5} \div \frac{1}{4}\)  14. \(\frac{1}{4} \div \frac{4}{5}\)  15. \(\frac{2}{3} \div 2\)  16. \(2 \div \frac{2}{3}\)

17. \(\frac{7}{8} \div \frac{3}{4}\)  18. \(9 \div 4\)  19. \(4 \div 9\)  20. \(\frac{5}{8} \div \frac{3}{4}\)

21. \(\frac{7}{10} \div \frac{3}{5}\)  22. \(16 \div \frac{1}{2}\)  23. \(\frac{5}{6} \div \frac{1}{3}\)  24. \(\frac{2}{9} \div \frac{2}{3}\)

25. \(\frac{2}{3} \div \frac{5}{9}\)  26. \(\frac{3}{4} \div \frac{1}{2}\)  27. \(\frac{5}{12} \div \frac{4}{12}\)  28. \(\frac{1}{8} \div 9\)

Solve.

29. Tammy had 4 pieces of ribbon. She divided each piece by \(\frac{1}{5}\). How many pieces did she have then?

30. Tammy has class for \(\frac{4}{5}\) of an hour before the break. The class spent \(\frac{1}{5}\) of an hour on each of a number of projects. How many projects were they able to work on?

31. After break, the class finished 3 projects in \(\frac{3}{4}\) of an hour. They spent the same amount of time on each project. How much time did they spend on each project?

32. Tammy spent \(\frac{5}{6}\) of an hour on each of several projects on her own. She spent the same amount of time on each project. She worked for 5 hours. How many projects did she work on?

Test Prep

33. Which is greater, \(\frac{4}{5} \div \frac{1}{5}\) or \(\frac{1}{5} \div \frac{4}{5}\)? Explain your answer.

34. Find \(\frac{3}{8} \div \frac{9}{12}\).

A \(\frac{1}{2}\)  C \(\frac{1}{3}\)

B \(\frac{1}{4}\)  D \(\frac{1}{6}\)