Divide Mixed Numbers

Rewrite each expression as a multiplication expression.

1. \(12 \div 3\frac{1}{4}\)  
2. \(\frac{7}{8} \div 1\frac{2}{5}\)  
3. \(2\frac{2}{5} \div 3\)  
4. \(2\frac{1}{3} \div 1\frac{1}{4}\)

Write each quotient in simplest form.

5. \(3\frac{1}{3} \div 5\)  
6. \(\frac{3}{4} \div 1\frac{4}{5}\)  
7. \(\frac{5}{8} \div 2\frac{1}{4}\)  
8. \(2\frac{2}{3} \div \frac{2}{3}\)  
9. \(4 \div 1\frac{1}{2}\)  
10. \(5\frac{1}{4} \div \frac{3}{8}\)  
11. \(6 \div 2\frac{1}{4}\)  
12. \(3\frac{6}{7} \div 2\frac{1}{4}\)  
13. \(\frac{3}{4} \div 1\frac{1}{8}\)  
14. \(4 \div 1\frac{3}{5}\)  
15. \(5\frac{1}{3} \div 3\frac{1}{3}\)  
16. \(5\frac{1}{4} \div 3\)  
17. \(6 \div 2\frac{2}{5}\)  
18. \(4\frac{2}{3} \div 2\)  
19. \(2\frac{1}{6} \div 1\frac{1}{3}\)  
20. \(5\frac{1}{2} \div 4\frac{1}{5}\)  
21. \(\frac{3}{4} \div 2\frac{1}{2}\)  
22. \(1\frac{2}{3} \div 3\)  
23. \(\frac{1}{4} \div 2\frac{2}{3}\)  
24. \(2\frac{2}{3} \div 4\)  
25. \(1\frac{3}{8} \div 4\frac{1}{4}\)  
26. \(3\frac{3}{7} \div 1\frac{1}{3}\)  
27. \(6 \div 1\frac{1}{8}\)  
28. \(\frac{4}{7} \div 2\frac{2}{3}\)

Algebra • Expressions Rewrite each expression as a fraction in simplest form.

29. \(3a \div 6\)  
30. \(2 \div 8x\)  
31. \(r \div s\)  
32. \(5p \div 5q\)  
33. \(6m \div \frac{9}{n}\)  
34. \(\frac{2}{x} \div \frac{4}{xy}\)  
35. \(\frac{a}{b} \div \frac{2a}{b}\)  
36. \(3x \div \frac{xy}{4}\)

Test Prep

37. Linda measured \(8\frac{2}{3}\) yards of cloth. She then cut it into 4 equal pieces. What was the length of each piece of cloth?

38. Rolf measured \(8\frac{1}{4}\) yards of cloth. He then cut it into pieces each measuring \(2\frac{3}{4}\) yards. Into how many pieces did he cut the cloth?

A 2  
B 4  
C 3  
D 5

Use with text pages 324–327.