

Fractions: Dividing Fractions and Whole Numbers

Date:

Name:

Solve each problem below. Where appropriate, simplify fully, and rename improper fractions as mixed numbers.

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[1] $\frac{4}{6} \div \frac{3}{10} =$

[2] $\frac{6}{13} \div \frac{2}{16} =$

[3] $\frac{8}{8} \div \frac{3}{12} =$

[4] $\frac{3}{5} \div \frac{1}{9} =$

[5] $2 \div \frac{3}{6} =$

[6] $4 \div \frac{3}{7} =$

[7] $\frac{2}{7} \div 5 =$

[8] $\frac{4}{9} \div 8 =$

[9] $\frac{1}{5} \div \frac{2}{3} =$

[10] $\frac{4}{11} \div \frac{4}{5} =$

[11] $\frac{6}{17} \div \frac{8}{9} =$

[12] $\frac{8}{22} \div \frac{12}{13} =$

[13] $5 \div \frac{3}{6} =$

[14] $13 \div \frac{7}{15} =$

[15] $\frac{1}{4} \div 3 =$

[16] $\frac{3}{7} \div 5 =$

ANSWERS

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[1] $\frac{4}{6} \div \frac{3}{10} = \frac{20}{9} = 2 \frac{2}{9}$

[2] $\frac{6}{13} \div \frac{2}{16} = \frac{48}{13} = 3 \frac{9}{13}$

[3] $\frac{8}{8} \div \frac{3}{12} = \frac{4}{1} = 4 \frac{0}{1}$

[4] $\frac{3}{5} \div \frac{1}{9} = \frac{27}{5} = 5 \frac{2}{5}$

[5] $2 \div \frac{3}{6} = \frac{4}{1} = 4 \frac{0}{1}$

[6] $4 \div \frac{3}{7} = \frac{12}{7} = 1 \frac{5}{7}$

[7] $\frac{2}{7} \div 5 = \frac{10}{7} = 1 \frac{3}{7}$

[8] $\frac{4}{9} \div 8 = \frac{32}{9} = 3 \frac{5}{9}$

[9] $\frac{1}{5} \div \frac{2}{3} = \frac{3}{10}$

[10] $\frac{4}{11} \div \frac{4}{5} = \frac{5}{11}$

[11] $\frac{6}{17} \div \frac{8}{9} = \frac{27}{68}$

[12] $\frac{8}{22} \div \frac{12}{13} = \frac{13}{33}$

[13] $5 \div \frac{3}{6} = \frac{10}{1} = 10 \frac{0}{1}$

[14] $13 \div \frac{7}{15} = \frac{91}{15} = 6 \frac{1}{15}$

[15] $\frac{1}{4} \div 3 = \frac{1}{12}$

[16] $\frac{3}{7} \div 5 = \frac{3}{35}$