

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] $\frac{6}{9} \div \frac{3}{11} =$

[2] $\frac{9}{14} \div \frac{1}{16} =$

[3] $\frac{10}{14} \div \frac{1}{17} =$

[4] $\frac{5}{12} \div \frac{3}{14} =$

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

[6] $4 \div \frac{1}{8} =$

[7] $\frac{3}{9} \div 6 =$

[8] $\frac{3}{10} \div 8 =$

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

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

[11] $\frac{4}{13} \div \frac{7}{8} =$

[12] $\frac{5}{14} \div \frac{7}{8} =$

[13] $4 \div \frac{6}{10} =$

[14] $11 \div \frac{5}{13} =$

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

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

ANSWERS

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[1] $\frac{6}{9} \div \frac{3}{11} = \frac{22}{9} = 2 \frac{4}{9}$

[2] $\frac{9}{14} \div \frac{1}{16} = \frac{72}{7} = 10 \frac{2}{7}$

[3] $\frac{10}{14} \div \frac{1}{17} = \frac{85}{7} = 12 \frac{1}{7}$

[4] $\frac{5}{12} \div \frac{3}{14} = \frac{35}{18} = 1 \frac{17}{18}$

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

[6] $4 \div \frac{1}{8} = \frac{1}{2} = 0 \frac{1}{0}$

[7] $\frac{3}{9} \div 6 = \frac{2}{1} = 2 \frac{0}{1}$

[8] $\frac{3}{10} \div 8 = \frac{12}{5} = 2 \frac{2}{5}$

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

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

[11] $\frac{4}{13} \div \frac{7}{8} = \frac{32}{91}$

[12] $\frac{5}{14} \div \frac{7}{8} = \frac{20}{49}$

[13] $4 \div \frac{6}{10} = \frac{20}{3} = 6 \frac{2}{3}$

[14] $11 \div \frac{5}{13} = \frac{55}{13} = 4 \frac{3}{13}$

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

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