

# Fractions: Dividing Mixed Numbers

Date:

Name:

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

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[a]

$$10\frac{3}{5} \div 6\frac{1}{8} =$$

[b]

$$14\frac{3}{5} \div 3\frac{1}{6} =$$

[c]

$$12\frac{1}{5} \div 9\frac{5}{7} =$$

[d]

$$16\frac{2}{5} \div 2\frac{4}{9} =$$

[e]

$$13\frac{3}{4} \div 11\frac{4}{9} =$$

[f]

$$16\frac{2}{5} \div 2\frac{3}{7} =$$

[g]

$$14\frac{2}{5} \div 11\frac{2}{7} =$$

[h]

$$17\frac{3}{4} \div 2\frac{5}{6} =$$

# ANSWERS

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[a]

$$10\frac{3}{5} \div 6\frac{1}{8} = \frac{424}{245} = 1\frac{179}{245}$$

[b]

$$14\frac{3}{5} \div 3\frac{1}{6} = \frac{438}{95} = 4\frac{58}{95}$$

[c]

$$12\frac{1}{5} \div 9\frac{5}{7} = \frac{427}{340} = 1\frac{87}{340}$$

[d]

$$16\frac{2}{5} \div 2\frac{4}{9} = \frac{369}{55} = 6\frac{39}{55}$$

[e]

$$13\frac{3}{4} \div 11\frac{4}{9} = \frac{495}{412} = 1\frac{83}{412}$$

[f]

$$16\frac{2}{5} \div 2\frac{3}{7} = \frac{574}{85} = 6\frac{64}{85}$$

[g]

$$14\frac{2}{5} \div 11\frac{2}{7} = \frac{504}{395} = 1\frac{109}{395}$$

[h]

$$17\frac{3}{4} \div 2\frac{5}{6} = \frac{213}{34} = 6\frac{9}{34}$$