

# Fractions: Dividing Mixed Numbers

Date:

Name:

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

<http://www.learnersgrid.com>

[a]

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

[b]

$$8\frac{2}{5} \div 3\frac{2}{7} =$$

[c]

$$6\frac{1}{5} \div 2\frac{5}{8} =$$

[d]

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

[e]

$$7\frac{3}{5} \div 4\frac{4}{7} =$$

[f]

$$10\frac{3}{4} \div 2\frac{2}{7} =$$

[g]

$$8\frac{2}{5} \div 5\frac{4}{7} =$$

[h]

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

# ANSWERS

## Fractions: Dividing Mixed Numbers

Date:

Name:

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

<http://www.learnersgrid.com>

[a]

$$5\frac{2}{5} \div 3\frac{5}{6} = \frac{162}{115} = 1\frac{47}{115}$$

[b]

$$8\frac{2}{5} \div 3\frac{2}{7} = \frac{294}{115} = 2\frac{64}{115}$$

[c]

$$6\frac{1}{5} \div 2\frac{5}{8} = \frac{248}{105} = 2\frac{38}{105}$$

[d]

$$10\frac{2}{5} \div 3\frac{5}{7} = \frac{14}{5} = 2\frac{4}{5}$$

[e]

$$7\frac{3}{5} \div 4\frac{4}{7} = \frac{133}{80} = 1\frac{53}{80}$$

[f]

$$10\frac{3}{4} \div 2\frac{2}{7} = \frac{301}{64} = 4\frac{45}{64}$$

[g]

$$8\frac{2}{5} \div 5\frac{4}{7} = \frac{98}{65} = 1\frac{33}{65}$$

[h]

$$12\frac{1}{5} \div 3\frac{4}{7} = \frac{427}{125} = 3\frac{52}{125}$$