

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]

$$3\frac{2}{5} \div 1\frac{4}{7} =$$

[b]

$$6\frac{3}{5} \div 2\frac{3}{8} =$$

[c]

$$4\frac{1}{4} \div 1\frac{2}{7} =$$

[d]

$$7\frac{1}{4} \div 3\frac{3}{8} =$$

[e]

$$6\frac{2}{5} \div 3\frac{5}{7} =$$

[f]

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

[g]

$$7\frac{1}{5} \div 4\frac{5}{8} =$$

[h]

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

ANSWERS

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[a]

$$3\frac{2}{5} \div 1\frac{4}{7} = \frac{119}{55} = 2\frac{9}{55}$$

[b]

$$6\frac{3}{5} \div 2\frac{3}{8} = \frac{264}{95} = 2\frac{74}{95}$$

[c]

$$4\frac{1}{4} \div 1\frac{2}{7} = \frac{119}{36} = 3\frac{11}{36}$$

[d]

$$7\frac{1}{4} \div 3\frac{3}{8} = \frac{58}{27} = 2\frac{4}{27}$$

[e]

$$6\frac{2}{5} \div 3\frac{5}{7} = \frac{112}{65} = 1\frac{47}{65}$$

[f]

$$10\frac{3}{5} \div 3\frac{2}{7} = \frac{371}{115} = 3\frac{26}{115}$$

[g]

$$7\frac{1}{5} \div 4\frac{5}{8} = \frac{288}{185} = 1\frac{103}{185}$$

[h]

$$11\frac{2}{5} \div 2\frac{5}{7} = \frac{21}{5} = 4\frac{1}{5}$$