Multiplying and dividing fractions

MATHS·SCHOOL

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Name:

1) Multiply the following fractions. Leave your answer in its simplest form.

a) $\frac{3}{5} \times \frac{1}{2}$

b) $\frac{3}{4} \times \frac{1}{5}$

c) $\frac{2}{3} \times \frac{2}{5}$

d) $\frac{5}{6} \times \frac{2}{3}$

e) $\frac{5}{9} \times \frac{3}{4}$

f) $\frac{2}{7} \times \frac{3}{4}$

g) $\frac{5}{7} \times \frac{2}{3}$

h) $\frac{5}{6} \times \frac{7}{8}$

i) $\frac{4}{5} \times \frac{5}{7}$

j) $\frac{7}{8} \times \frac{4}{9}$

2) Divide the following fractions. Leave your answer in its simplest form :

a) $\frac{6}{7} \div \frac{2}{7}$

b) $\frac{3}{4} \div \frac{3}{8}$

c) $\frac{3}{5} \div \frac{2}{3}$

d) $\frac{7}{8} \div \frac{3}{4}$

e) $\frac{5}{6} \div \frac{1}{2}$

f) $\frac{6}{7} \div \frac{2}{5}$

g) $\frac{4}{5} \div \frac{1}{7}$

h) $\frac{3}{8} \div \frac{7}{9}$

i) $\frac{6}{7} \div \frac{3}{4}$

j) $\frac{8}{9} \div \frac{4}{5}$

Calculate the following mixed number calculations, leaving your answer in its simplest form:

a) $1\frac{2}{3} \times 5\frac{1}{2}$

b) $5\frac{1}{5} \div 3\frac{3}{5}$

c) $4\frac{1}{2} \times 3\frac{1}{4}$

d) $3\frac{1}{2} \div 1\frac{1}{3}$

e) $4\frac{3}{7} \times 1\frac{1}{5}$

f) $3\frac{5}{6} \div 1\frac{1}{7}$

g) $4\frac{5}{6} \times 2\frac{5}{8}$

h) $5\frac{1}{8} \div 3\frac{7}{9}$

▤ Exam style question:

One lap of a formula 1 racing circuit is $5\frac{3}{4}$ km.

Work out the total distance for $8\frac{1}{2}$ laps.