

TARGET To multiply pairs of fractions, writing the answer in its simplest form.

Examples

METHOD 1

Multiply and then cancel.

$$1 \quad \frac{3}{4} \times \frac{8}{9} = \frac{24}{36} = \frac{2}{3}$$

$$2 \quad \frac{5}{12} \times \frac{3}{10} = \frac{15}{120} = \frac{1}{8}$$

METHOD 2

Cancel and then multiply.

$$1 \quad \frac{3^1}{4_1} \times \frac{8^2}{9_3} = \frac{2}{3} \text{ (cancel 3 and 9, 4 and 8)}$$

$$2 \quad \frac{5^1}{12_4} \times \frac{3^1}{10_2} = \frac{1}{8} \text{ (cancel 5 and 10, 3 and 12)}$$

A

Copy and complete.

$$1 \quad \frac{1}{2} \times \frac{1}{5} = \frac{\quad}{\quad}$$

$$2 \quad \frac{1}{4} \times \frac{1}{6} = \frac{\quad}{\quad}$$

$$3 \quad \frac{1}{2} \times \frac{1}{2} = \frac{\quad}{\quad}$$

$$4 \quad \frac{1}{3} \times \frac{1}{4} = \frac{\quad}{\quad}$$

$$5 \quad \frac{4}{5} \times \frac{1}{7} = \frac{\quad}{35}$$

$$6 \quad \frac{1}{2} \times \frac{3}{4} = \frac{3}{\quad}$$

$$7 \quad \frac{1}{5} \times \frac{2}{3} = \frac{\quad}{\quad}$$

$$8 \quad \frac{3}{4} \times \frac{1}{10} = \frac{\quad}{\quad}$$

Work out

$$9 \quad \frac{1}{2} \times \frac{1}{3}$$

$$13 \quad \frac{1}{2} \times \frac{5}{6}$$

$$10 \quad \frac{1}{5} \times \frac{1}{10}$$

$$14 \quad \frac{1}{3} \times \frac{2}{3}$$

$$11 \quad \frac{1}{2} \times \frac{1}{4}$$

$$15 \quad \frac{7}{10} \times \frac{1}{2}$$

$$12 \quad \frac{1}{3} \times \frac{1}{5}$$

$$16 \quad \frac{3}{8} \times \frac{1}{4}$$

B

Copy and complete.

$$1 \quad \frac{2}{3} \times \frac{2}{3} = \frac{\quad}{9}$$

$$2 \quad \frac{3}{4} \times \frac{4}{5} = \frac{12}{\quad} = \frac{3}{\quad}$$

$$3 \quad \frac{1}{3} \times \frac{11}{12} = \frac{\quad}{\quad}$$

$$4 \quad \frac{5}{6} \times \frac{4}{5} = \frac{\quad}{30} = \frac{\quad}{3}$$

$$5 \quad \frac{3}{4} \times \frac{3}{8} = \frac{\quad}{\quad}$$

$$6 \quad \frac{3}{6} \times \frac{4}{6} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$7 \quad \frac{9}{10} \times \frac{5}{12} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$8 \quad \frac{4}{5} \times \frac{3}{8} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

Multiply and then cancel as in METHOD 1.

$$9 \quad \frac{1}{2} \times \frac{4}{7}$$

$$13 \quad \frac{3}{4} \times \frac{4}{9}$$

$$10 \quad \frac{2}{5} \times \frac{5}{6}$$

$$14 \quad \frac{3}{10} \times \frac{5}{10}$$

$$11 \quad \frac{2}{3} \times \frac{3}{4}$$

$$15 \quad \frac{3}{5} \times \frac{5}{12}$$

$$12 \quad \frac{4}{5} \times \frac{7}{12}$$

$$16 \quad \frac{2}{3} \times \frac{9}{10}$$

17 Do 9 to 16 again using METHOD 2.

C

Cancel and then multiply as in METHOD 2.

$$1 \quad \frac{7}{10} \times \frac{4}{5}$$

$$5 \quad \frac{3}{4} \times \frac{5}{12}$$

$$2 \quad \frac{2}{5} \times \frac{3}{4}$$

$$6 \quad \frac{3}{10} \times \frac{8}{9}$$

$$3 \quad \frac{99}{100} \times \frac{2}{9}$$

$$7 \quad \frac{7}{12} \times \frac{4}{7}$$

$$4 \quad \frac{7}{8} \times \frac{2}{3}$$

$$8 \quad \frac{5}{6} \times \frac{39}{100}$$

Change the first number into an improper fraction and work out.

$$9 \quad 1\frac{3}{8} \times \frac{6}{11}$$

$$17 \quad 2\frac{1}{12} \times \frac{4}{5}$$

$$10 \quad 3\frac{3}{5} \times \frac{1}{6}$$

$$18 \quad 5\frac{1}{4} \times \frac{6}{7}$$

$$11 \quad 3\frac{1}{3} \times \frac{2}{5}$$

$$19 \quad 6\frac{2}{3} \times \frac{9}{10}$$

$$12 \quad 4\frac{1}{2} \times \frac{11}{12}$$

$$20 \quad 2\frac{4}{9} \times \frac{5}{11}$$

$$13 \quad 5\frac{4}{7} \times \frac{2}{9}$$

$$21 \quad 4\frac{4}{5} \times \frac{3}{6}$$

$$14 \quad 2\frac{7}{10} \times \frac{2}{3}$$

$$22 \quad 3\frac{5}{9} \times \frac{7}{8}$$

$$15 \quad 3\frac{7}{11} \times \frac{5}{8}$$

$$23 \quad 6\frac{5}{12} \times \frac{8}{11}$$

$$16 \quad 3\frac{3}{8} \times \frac{4}{9}$$

$$24 \quad 8\frac{1}{6} \times \frac{3}{7}$$