Mathematics

Dividing Fractions in Mixed Contexts Downloadable Resource

Mr Langton

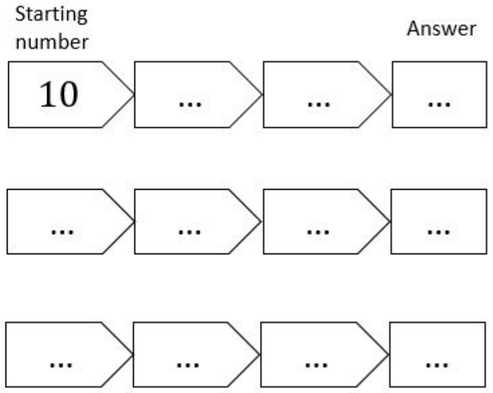
Dividing fractions in mixed contexts

1. Complete the function machines for each calculation.

a) $10 \div \frac{5}{6}$

b) $\frac{1}{5} \div \frac{2}{3}$

c) $\frac{2}{3} \div \frac{3}{8}$



2. Complete the calculations:

a) $\frac{1}{2} \div \frac{3}{4} =$

b) $\frac{5}{7} \div \frac{5}{9}$

c) $\frac{7}{3} \div \frac{2}{5} =$

d) $1\frac{1}{8} \div \frac{3}{4} =$

3. Solve each problem, writing out the corresponding division:

a) It takes Tom $\frac{1}{4}$ of an hour to ice a cake. How many can he ice in $2\frac{3}{4}$ hours?

b) Siobhan has mown $\frac{2}{3}$ of the lawn in the garden. She has mown 20 m^2 so far. What is the area of the lawn?

c) 1 L of paint covers $\frac{3}{4}$ of a wall. How many litres are needed to cover the wall?