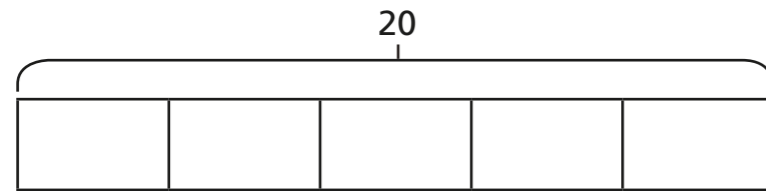# Fractions of an amount

1

20

a) Shade $\frac{1}{5}$ of the bar model.

b) What is $\frac{1}{5}$ of 20?

2 Use your times tables knowledge to solve the calculations.

a) $\frac{1}{3}$ of 12 =

b) $\frac{1}{4}$ of £20 =

c) $\frac{1}{5}$ of 35 m =

d) $\frac{1}{10}$ of 80 cm =

e) $\frac{1}{12}$ of 60 =

f) $\frac{1}{7}$ of 84 kg =

Now use your answers to solve these calculations.

a) $\frac{2}{3}$ of 12 =
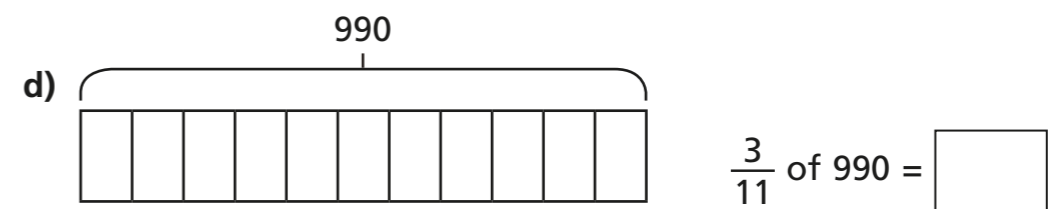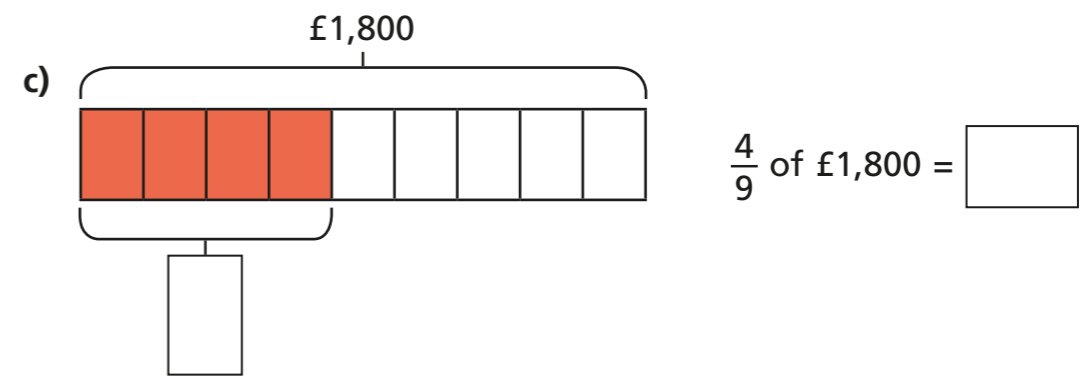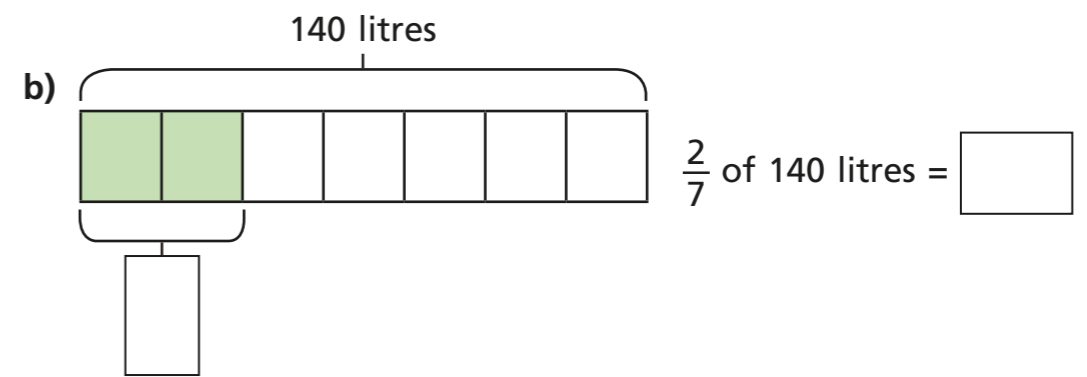
b) $\frac{3}{4}$ of £20 =

c) $\frac{3}{5}$ of 35 m =

d) $\frac{7}{10}$ of 80 cm =

e) $\frac{11}{12}$ of 60 =

f) $\frac{6}{7}$ of 84 kg =

3 Calculate the missing values.

a)

200

$\frac{3}{5}$ of 200 =

b)

140 litres

$\frac{2}{7}$ of 140 litres =

c)

£1,800

$\frac{4}{9}$ of £1,800 =
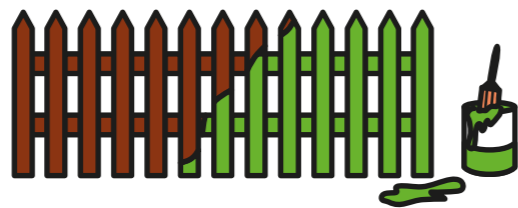
d)

990

$\frac{3}{11}$ of 990 =
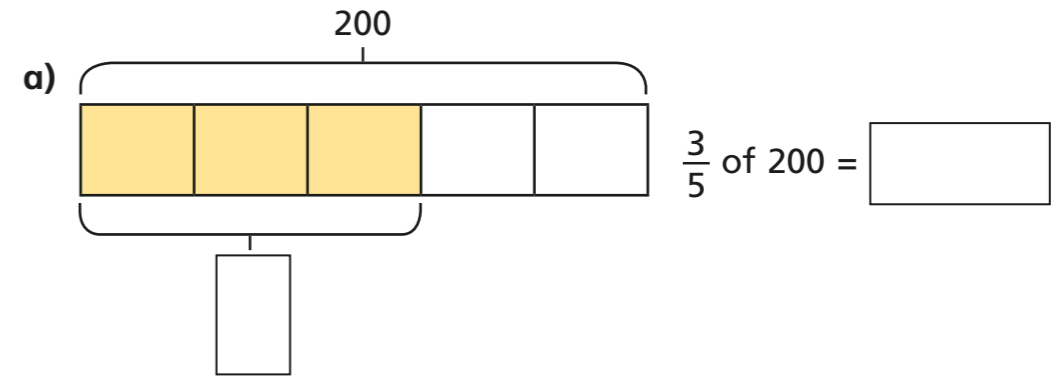
4 a) In a school of 480 pupils, $\frac{2}{3}$ are juniors.

How many juniors are in the school?

☐

b) A factory makes 256 cars.

$\frac{3}{8}$ are electric cars.

How many electric cars does the factory make?

☐

c) Brett uses $\frac{2}{5}$ of his £180 savings to buy a train ticket.

How much of his savings does he have left?

☐

5

Alex has 288 m of fence to paint.

She paints $\frac{3}{12}$ of the whole fence on Monday. She then paints $\frac{1}{2}$ of what is left on Tuesday.

How much fence does she have left to paint?
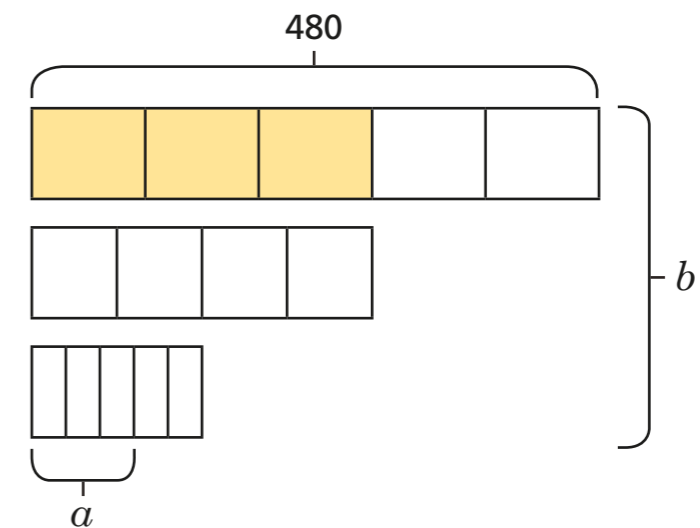
☐

6 Fill in the missing numbers.

a) $\dfrac{\square}{10}$ of \$500 = \$150

c) $42 = \dfrac{\square}{100}$ of 700

b) $\dfrac{\square}{4}$ of 100 kg = 75 kg

d) $450 = \dfrac{\square}{20}$ of 3,000

7 Find the values of a and b.

480

b

a

$a = $ ☐ $b = $ ☐