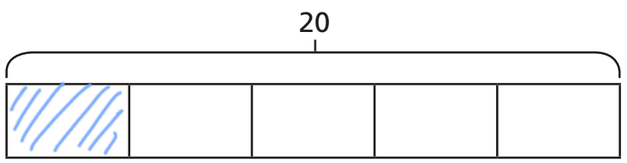
Fractions of an amount

1



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

b) What is $\frac{1}{5}$ of 20? 4

2 Use your times tables knowledge to solve the calculations.

a) $\frac{1}{3}$ of 12 = 4

b) $\frac{1}{4}$ of £20 = £5

c) $\frac{1}{5}$ of 35 m = 7 m

d) $\frac{1}{10}$ of 80 cm = 8 cm

e) $\frac{1}{12}$ of 60 = 5

f) $\frac{1}{7}$ of 84 kg = 12kg

Now use your answers to solve these calculations.

a) $\frac{2}{3}$ of 12 = 8

b) $\frac{3}{4}$ of £20 = £15

c) $\frac{3}{5}$ of 35 m = 21m

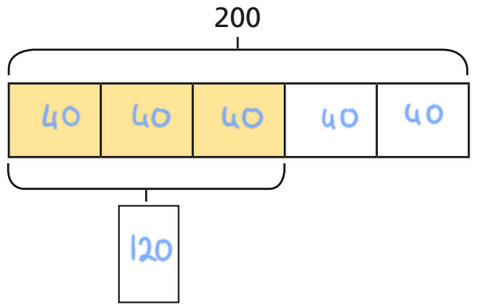
d) $\frac{7}{10}$ of 80 cm = 56cm

e) $\frac{11}{12}$ of 60 = 55

f) $\frac{6}{7}$ of 84 kg = 72kg

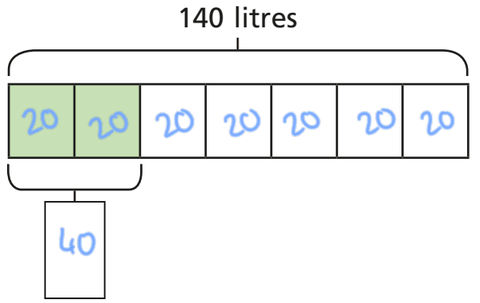
3 Calculate the missing values.

a)



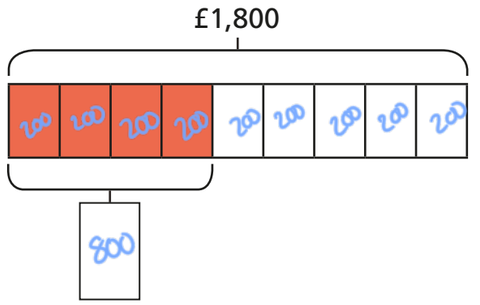
$\frac{3}{5}$ of 200 = 120

b)



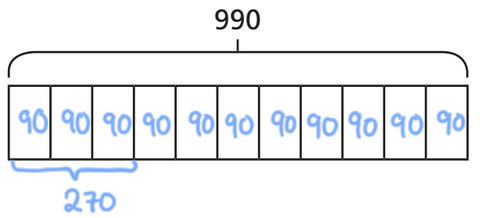
$\frac{2}{7}$ of 140 litres = 40 L

c)



$\frac{4}{9}$ of £1,800 = £800

d)



$\frac{3}{11}$ of 990 = 270

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

How many juniors are in the school?

320

b) A factory makes 256 cars.

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

How many electric cars does the factory make?

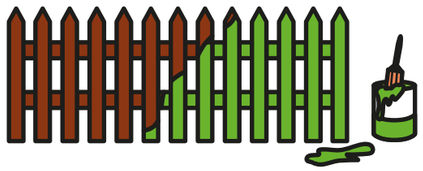
96

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

How much of his savings does he have left?

£108

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?

108m

6 Fill in the missing numbers.

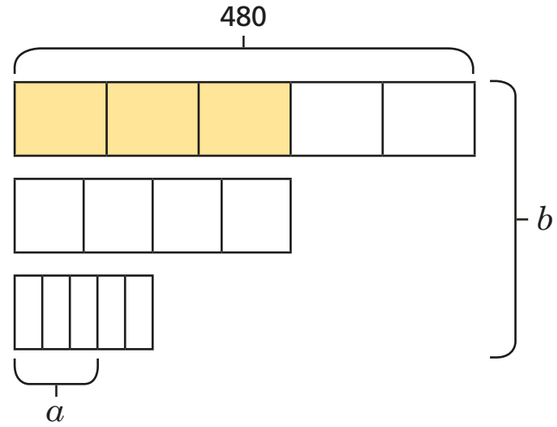
a) $\frac{\boxed{3}}{10}$ of \$500 = \$150

b) $\frac{\boxed{3}}{4}$ of 100 kg = 75 kg

c) 42 = $\frac{\boxed{6}}{100}$ of 700

d) 450 = $\frac{\boxed{3}}{20}$ of 3,000

7 Find the values of a and b.



a = 86·4

b = 912

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