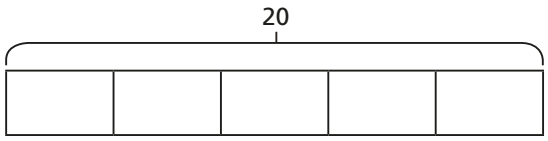
Fractions of an amount

1



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 **c)** $\frac{1}{5}$ of 35 m **e)** $\frac{1}{12}$ of 60

b) $\frac{1}{4}$ of £20 **d)** $\frac{1}{10}$ of 80 cm **f)** $\frac{1}{7}$ of 84 kg

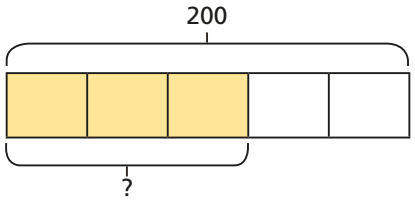
Now use your answers to solve these calculations.

a) $\frac{2}{3}$ of 12 **c)** $\frac{3}{5}$ of 35 m **e)** $\frac{11}{12}$ of 60

b) $\frac{3}{4}$ of £20 **d)** $\frac{7}{10}$ of 80 cm **f)** $\frac{6}{7}$ of 84 kg

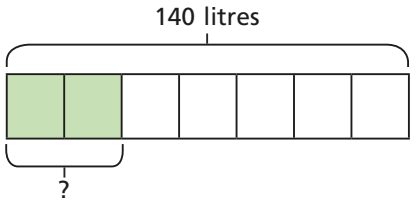
3 Complete the calculations.

a)



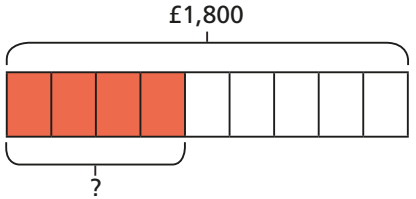
$\frac{3}{5}$ of 200 = ☐

b)



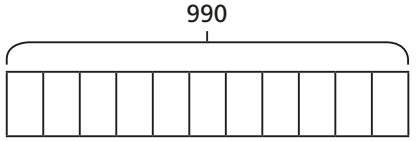
$\frac{2}{7}$ of 140 litres = ☐

c)



$\frac{4}{9}$ of £1,800 = ☐

d)



$\frac{3}{11}$ 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.

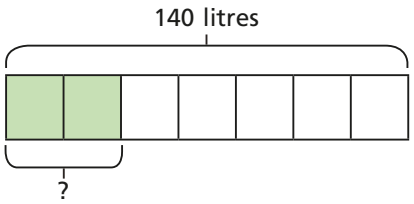
$\frac{3}{8}$ are electric cars.

How many electric cars does the factory make?

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

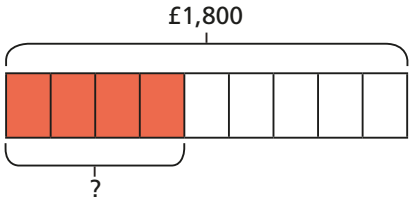
How much of his savings does he have left?

b)



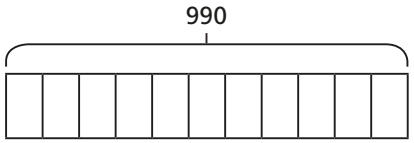
$\frac{2}{7}$ of 140 litres = ☐

c)



$\frac{4}{9}$ of £1,800 = ☐

d)



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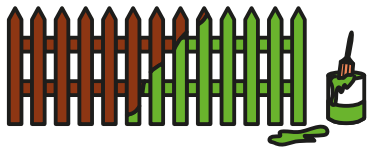
5



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) $\frac{\square}{10}$ of \$500 = \$150

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

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

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

7 Find the values of a and b.