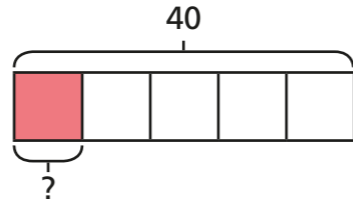


# Find a fraction of a given amount

1 a) How does the bar model represent the calculation?

$$\frac{1}{5} \text{ of } 40$$

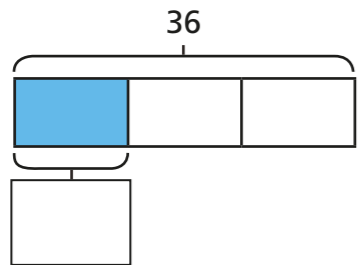


b) Complete the calculation.

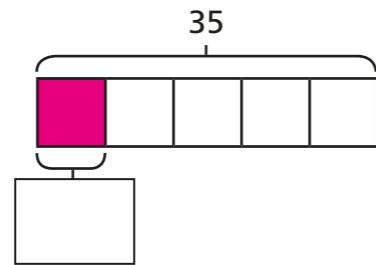
$$\frac{1}{5} \text{ of } 40 = \square$$

2 Use the bar models to help you complete the calculations.

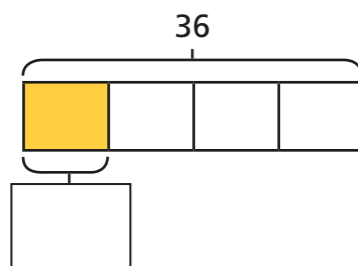
a)  $\frac{1}{3}$  of 36 =  $\square$



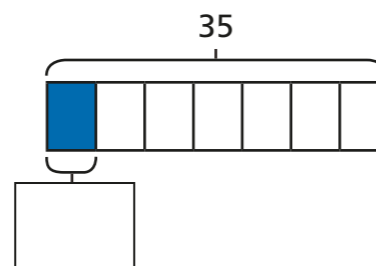
c)  $\frac{1}{5}$  of 35 =  $\square$



b)  $\frac{1}{4}$  of 36 =  $\square$

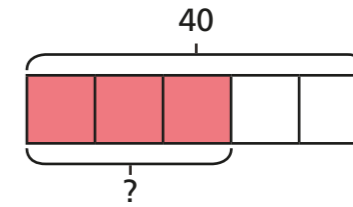


d)  $\frac{1}{7}$  of 35 =  $\square$



3 a) How does the bar model represent the calculation?

$$\frac{3}{5} \text{ of } 40$$

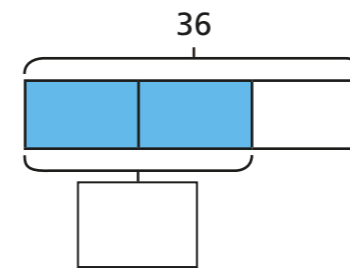


b) Complete the calculation.

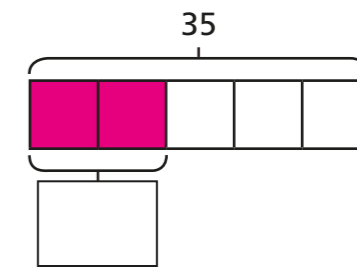
$$\frac{3}{5} \text{ of } 40 = \square$$

4 Use the bar models to help you complete the calculations.

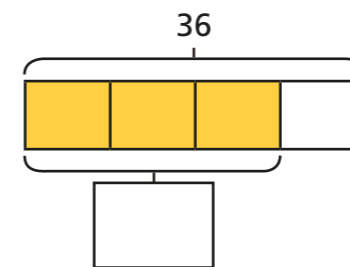
a)  $\frac{2}{3}$  of 36 =  $\square$



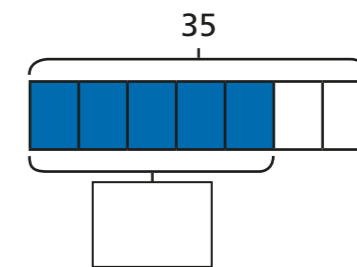
c)  $\frac{2}{5}$  of 35 =  $\square$



b)  $\frac{3}{4}$  of 36 =  $\square$



d)  $\frac{5}{7}$  of 35 =  $\square$



5 Complete the calculations.

a)  $\frac{1}{5}$  of 630 lb =

b)  $\frac{2}{5}$  of 1,260 g =

c)  $\frac{5}{8}$  of 760 m =

d)  $\frac{7}{9}$  of 8.1 km =

e)  $\frac{11}{9}$  of 8.1 km =

6 Nijah has 45 stickers.

She gives  $\frac{2}{5}$  to her sister.

She gives  $\frac{1}{3}$  of her remaining stickers to Brett.

How many stickers does Nijah have left?



7 Whitney has a box of milk and dark chocolates.

$\frac{6}{11}$  of the chocolates are milk chocolate.

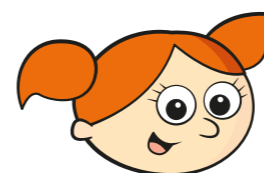
There are 15 dark chocolates in the box.

a) How many milk chocolates are in the box?

b) If Whitney eats 3 milk chocolates, what fraction of the chocolates left are dark chocolate?

8 A box usually contains 500 g of cereal.

The manufacturers increase the amount of cereal in the box by  $\frac{1}{5}$



Alex

To get back to the original 500 g, I would now need to eat  $\frac{1}{5}$  of the cereal in the box.

Alex is incorrect – she would need to eat less than  $\frac{1}{5}$  of the cereal to only have 500 g in the box.



Mo

Who is correct? \_\_\_\_\_

Explain your answer to a partner.

