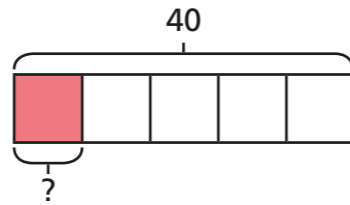


Find a fraction of a given amount

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

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

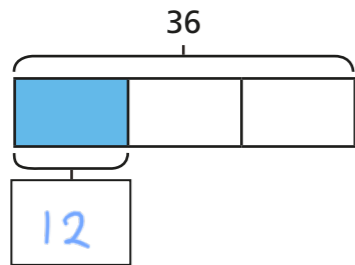


b) Complete the calculation.

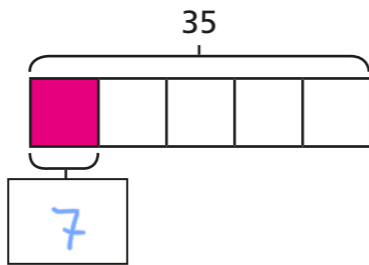
$$\frac{1}{5} \text{ of } 40 = \boxed{8}$$

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

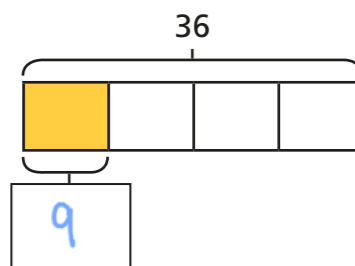
a) $\frac{1}{3}$ of 36 = $\boxed{12}$



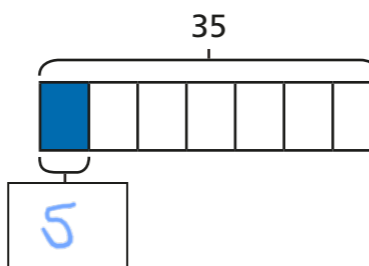
c) $\frac{1}{5}$ of 35 = $\boxed{7}$



b) $\frac{1}{4}$ of 36 = $\boxed{9}$

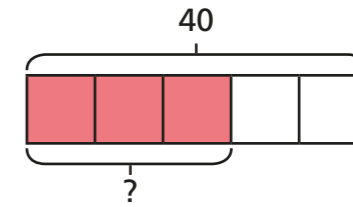


d) $\frac{1}{7}$ of 35 = $\boxed{5}$



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

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

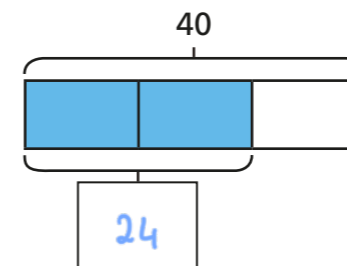


b) Complete the calculation.

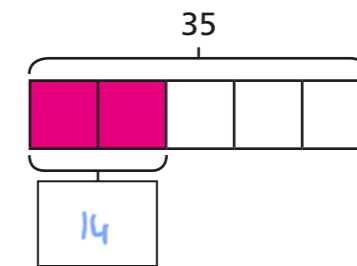
$$\frac{3}{5} \text{ of } 40 = \boxed{24}$$

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

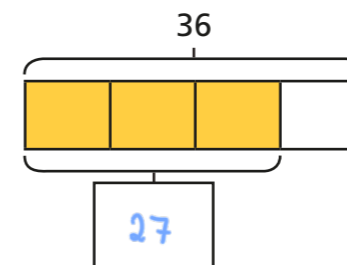
a) $\frac{2}{3}$ of 36 = $\boxed{24}$



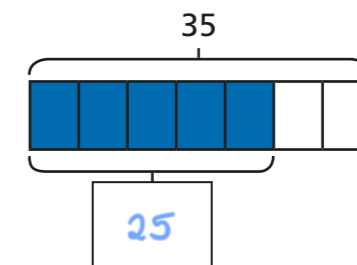
c) $\frac{2}{5}$ of 35 = $\boxed{14}$



b) $\frac{3}{4}$ of 36 = $\boxed{27}$



d) $\frac{5}{7}$ of 35 = $\boxed{25}$



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.

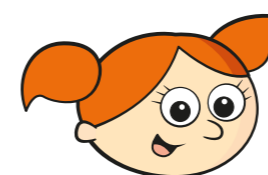
There are 15 dark chocolates in the box.

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? Mo

Explain your answer to a partner.

