

## Example:



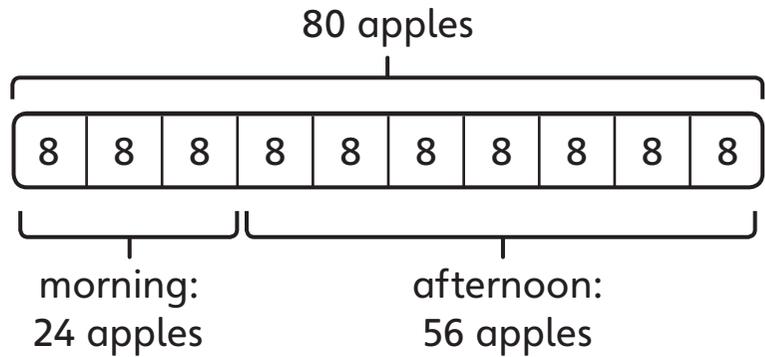
b) The Year 6 children eat  $\frac{3}{10}$  of their apples in the morning.

$$\frac{1}{10} \text{ of } 80 = 8$$

$$\frac{3}{10} \text{ of } 80 = 3 \times 8 = 24$$

$$80 - 24 = 56$$

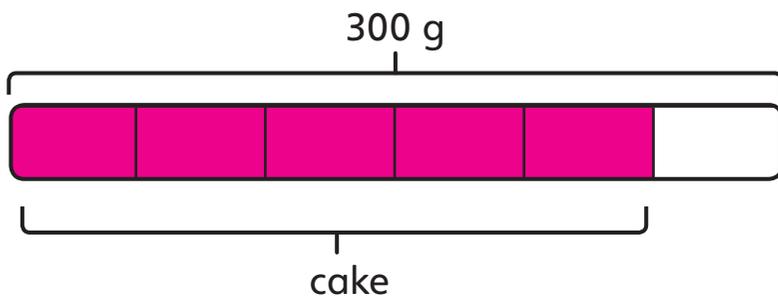
The Year 6 children eat 56 apples in the afternoon.



I just found  $\frac{7}{10}$  of 80. If the children eat  $\frac{3}{10}$  in the morning, they eat  $\frac{7}{10}$  in the afternoon.

## Think together

1  $\frac{5}{6}$  of this bag of flour is needed for a cake. How much flour is needed for the cake?



$$\frac{1}{6} \text{ of } 300 \text{ g is } 300 \div \square = \square \text{ g}$$

$$\frac{5}{6} \text{ of } 300 \text{ g is } \square \times \square = \square \text{ g}$$

g of flour is needed.

- 2 There are 28 children in a Year 6 class.  $\frac{5}{7}$  of the children are going on a school trip.

How many children are **not** going on the trip?

children are not going on the trip.

I think I could complete this question without subtracting.



- 3 There are 36 children in a swimming lesson.

$\frac{1}{3}$  of the children are boys.  $\frac{1}{2}$  of the boys wear goggles.

Mo and Richard are working out how many of the boys wear goggles.

I think 18 boys wear goggles, because  $\frac{1}{2}$  of 36 is 18.

Mo



I did  $36 \div 3 = 12$ . I think 12 of the boys wear goggles.

Richard



CHALLENGE

Mo and Richard are both incorrect.

What mistakes have they made?

What is the correct answer?

Remember, you can draw a bar model to help you.

