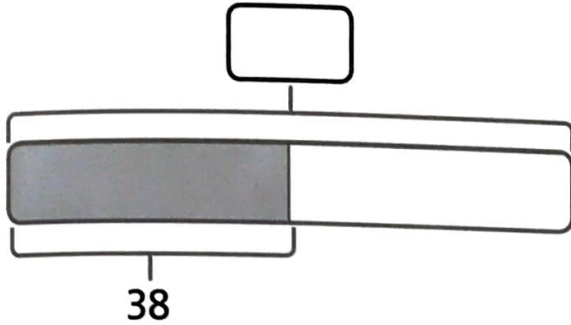


Finding missing values

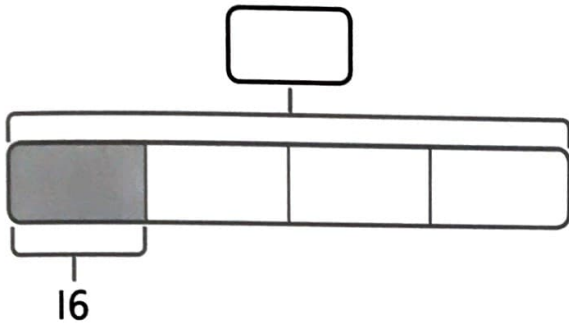
1 Fill in the missing values.

a) 50% of = 38



$38 \times 2 = \text{input}$

b) 25% of = 16



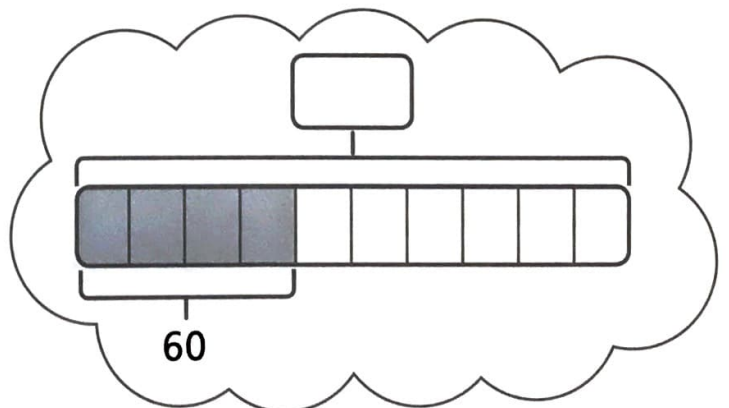
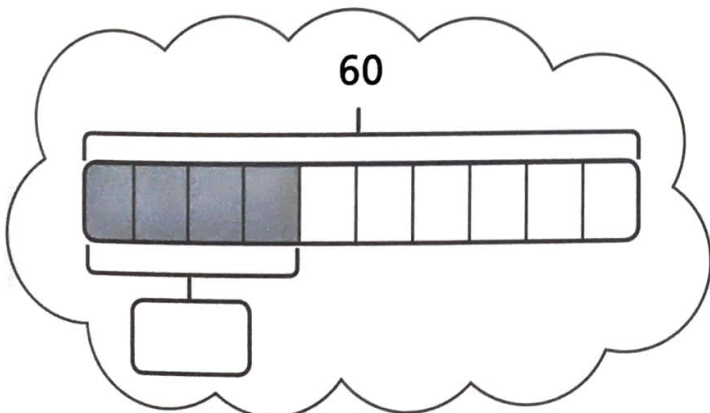
c) 10% of = 1.5



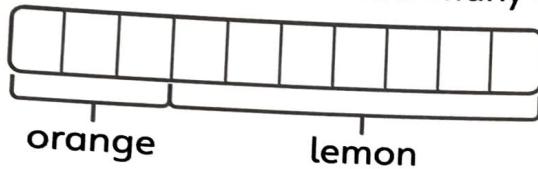
2 Match each calculation to the correct bar model. Then solve it.

40% of 60 =

40% of = 60




- 3 a) In a bag of orange and lemon sweets, 30% are orange and 63 sweets are lemon. How many orange sweets are there?



There are orange sweets.

- b) Amelia has a piece of string. She cuts off 25%. The piece that is left is 240 cm long. How long was the string before she cut it?

The string was cm long before Amelia cut it.

- 4 a) Find a solution to Aki's percentage puzzle. 

I am thinking of a number. I subtract 20. I then find 10% of what is left. I finish on 40. What number did I start with?



Aki

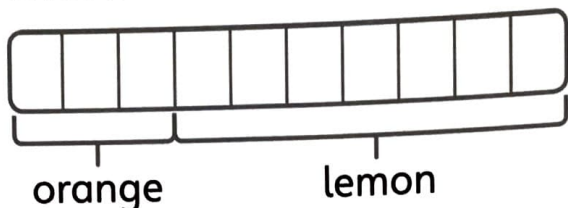
- b) Find a solution to Alex's percentage puzzle.

I am thinking of a number. I find 10%. I then subtract 20. I finish on 40. What number did I start with?



Alex

- 3** a) In a bag of orange and lemon sweets, 30% are orange and 63 sweets are lemon. How many orange sweets are there?



There are orange sweets.

- b) Amelia has a piece of string. She cuts off 25%. The piece that is left is 240 cm long. How long was the string before she cut it?

The string was cm long before Amelia cut it.

- 4** a) Find a solution to Aki's percentage puzzle. 

I am thinking of a number. I subtract 20. I then find 10% of what is left. I finish on 40. What number did I start with?



Aki

- b) Find a solution to Alex's percentage puzzle.

I am thinking of a number. I find 10%. I then subtract 20. I finish on 40. What number did I start with?



Alex

5

Complete these calculations.

a) 10% of = 9

20% of = 9

30% of = 9

b) 30% of = 90

30% of = 180

30% of = 1,800

c) 60% of = 90

60% of = 45

60% of = 4.5