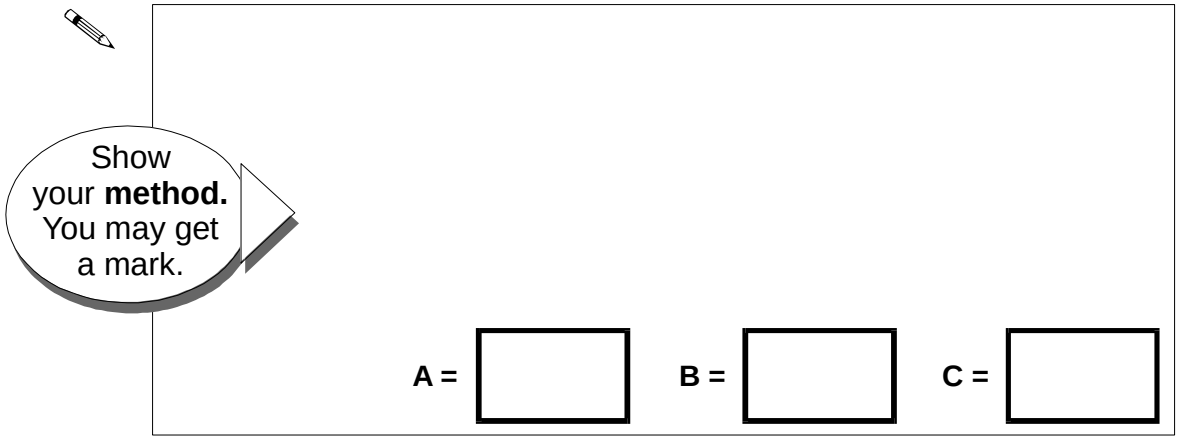
1. A, B and C stand for three different numbers.

The mean of A and B is 40

The mean of B and C is 35

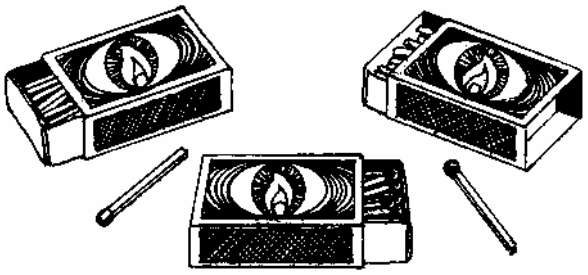
A + B + C = 100

Calculate the values of **A**, **B** and **C**.



2 marks

2.



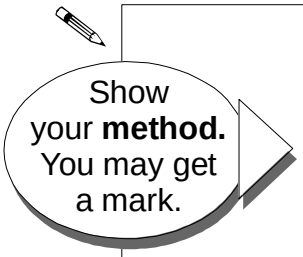
Carol counts the matches in **10** boxes.

She works out that the **mean** number of matches in a box is **51**

Here are her results for **9 boxes**.

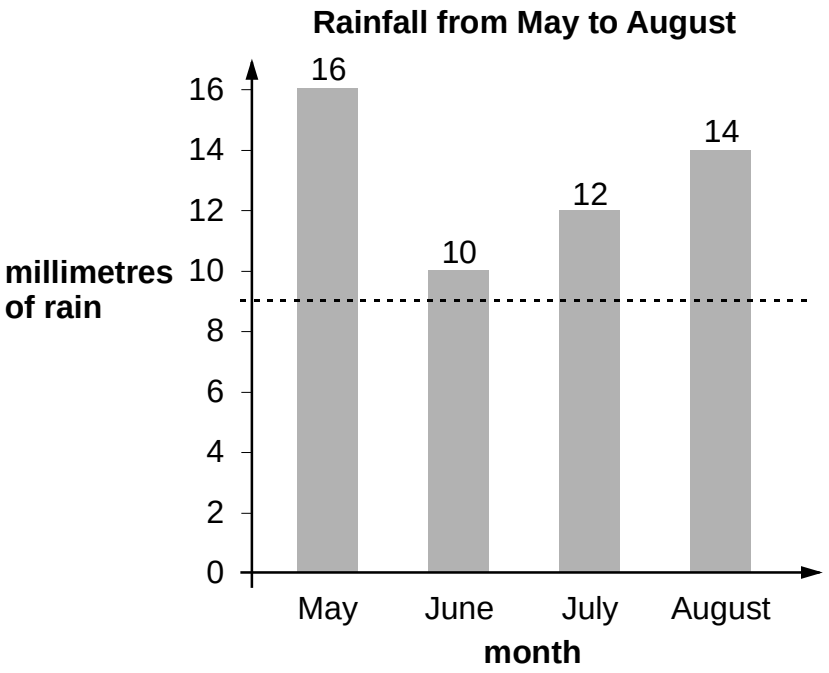
Number of matches in a box						
48	49	50	51	52	53	54
	✓ ✓ ✓	✓ ✓	✓	✓		✓ ✓

Calculate how many matches are in the **10th box**.



2 marks

3. Here is a bar chart showing rainfall.



Kim draws a dotted line on the bar chart.

She says,

'The dotted line on the chart shows the mean rainfall for the four months.'

Use the chart to explain why Kim **cannot** be correct.

.....

.....

.....

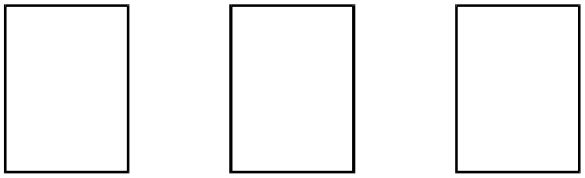
1 mark

What is the **mean** rainfall for the four months?

mm

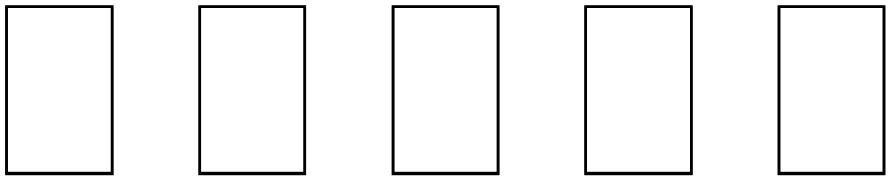
1 mark

4. Write a **different** number in **each** of these boxes so that the **mean** of the **three** numbers is **9.**



1 mark

Write a number in **each** of these boxes so that the **mode** of the **five** numbers is **11**.



1 mark