



**BOOSTER WORKBOOK**

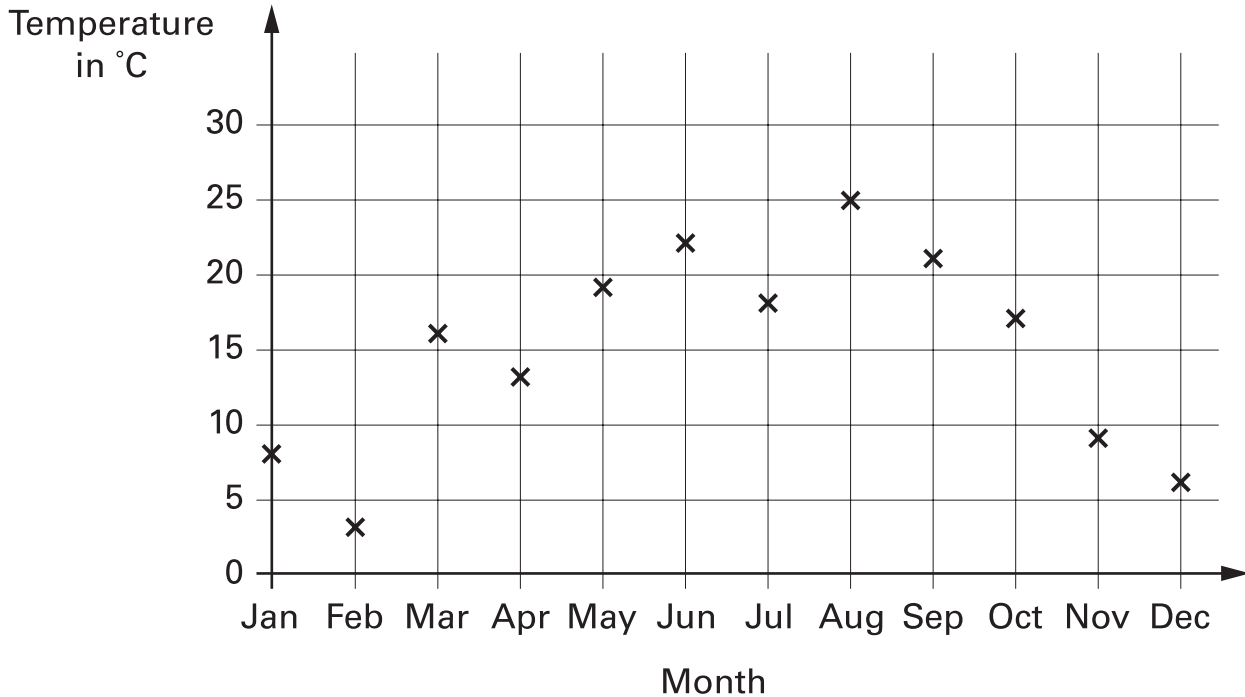
# **Statistics S2b**

**Solve comparison and  
difference problems using line  
graphs**

1

Abbie takes the temperature outside at midday on the first day of each month.

The graph shows her results from January to December.



How many months on the graph show a temperature between  $10^{\circ}\text{C}$  and  $20^{\circ}\text{C}$ ?



1 mark

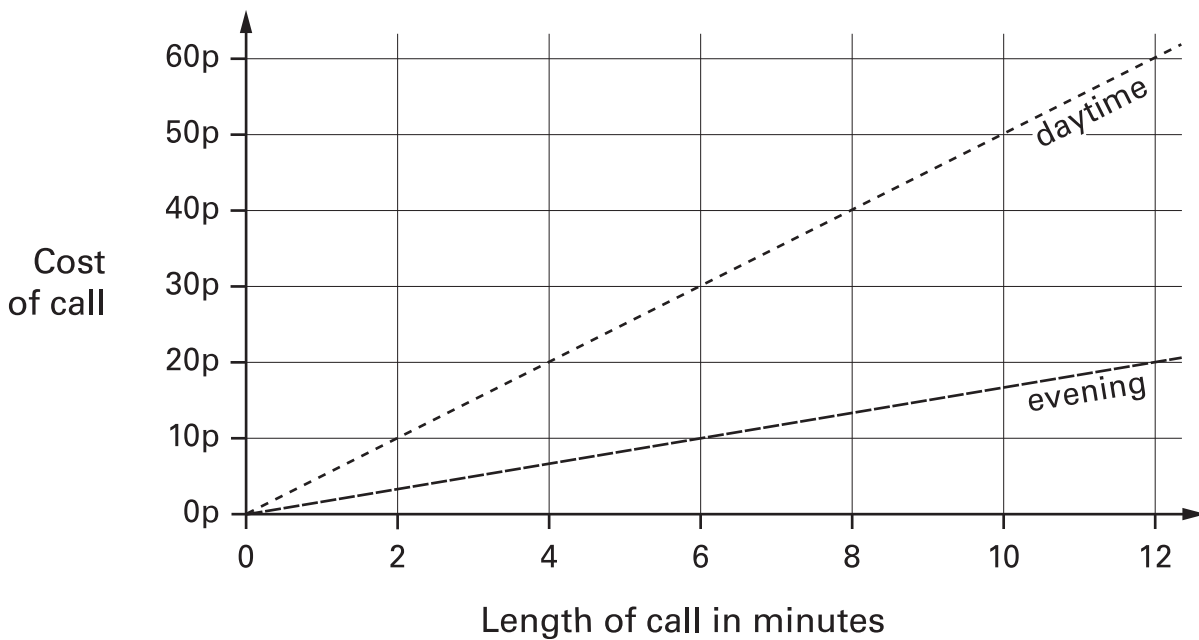
Find the difference in temperature shown on the graph between **July** and **August**.



1 mark

2

This graph shows the cost of phone calls in the daytime and in the evening.



How much does it cost to make a **9 minute** call in the **daytime**?



1 mark

How much **more** does it cost to make a **6 minute** call in the **daytime** than in the **evening**?

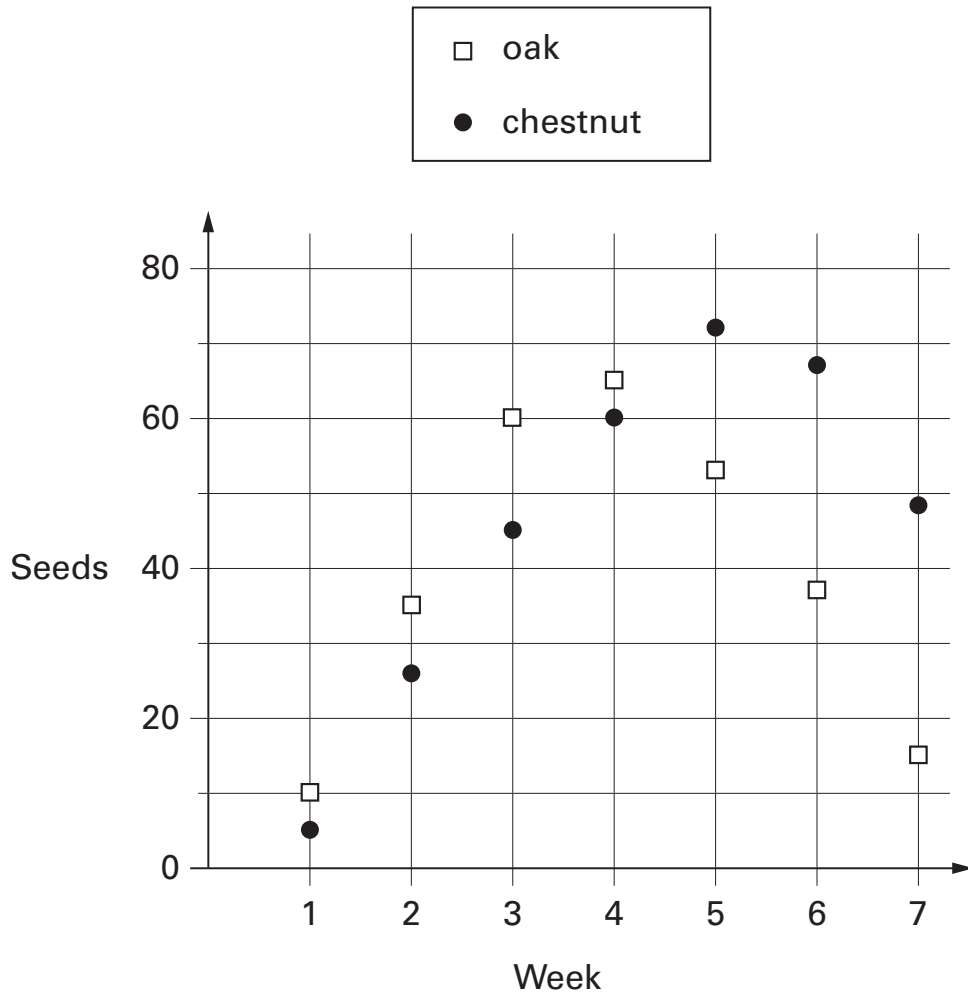


1 mark

3

Class 6 count how many seeds they find under two trees.

They show the data in a graph.



How many seeds did they find in week 3 **altogether**?



seeds

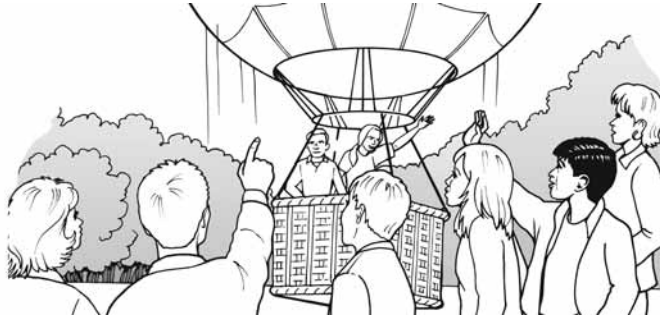
1 mark

In **how many weeks** did they find more than 40 **chestnut** seeds?

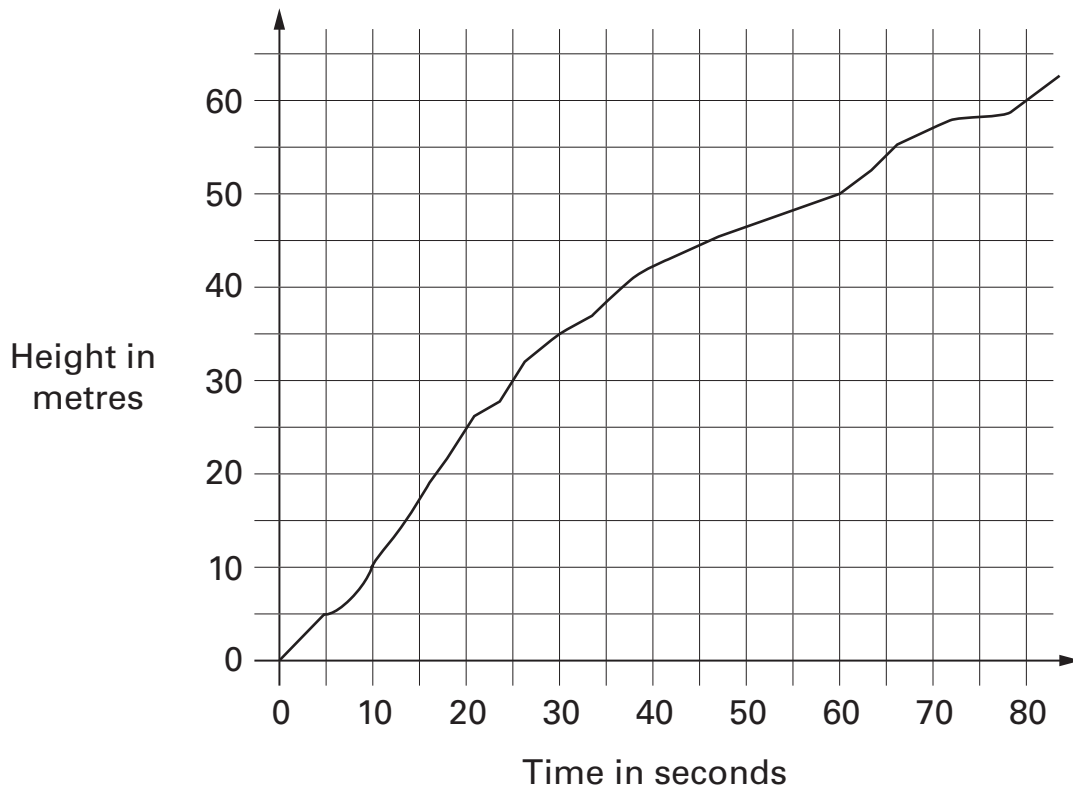


weeks

1 mark



This graph shows the height of a balloon at different times.



From the graph, find the height of the balloon at 50 seconds.




1 mark

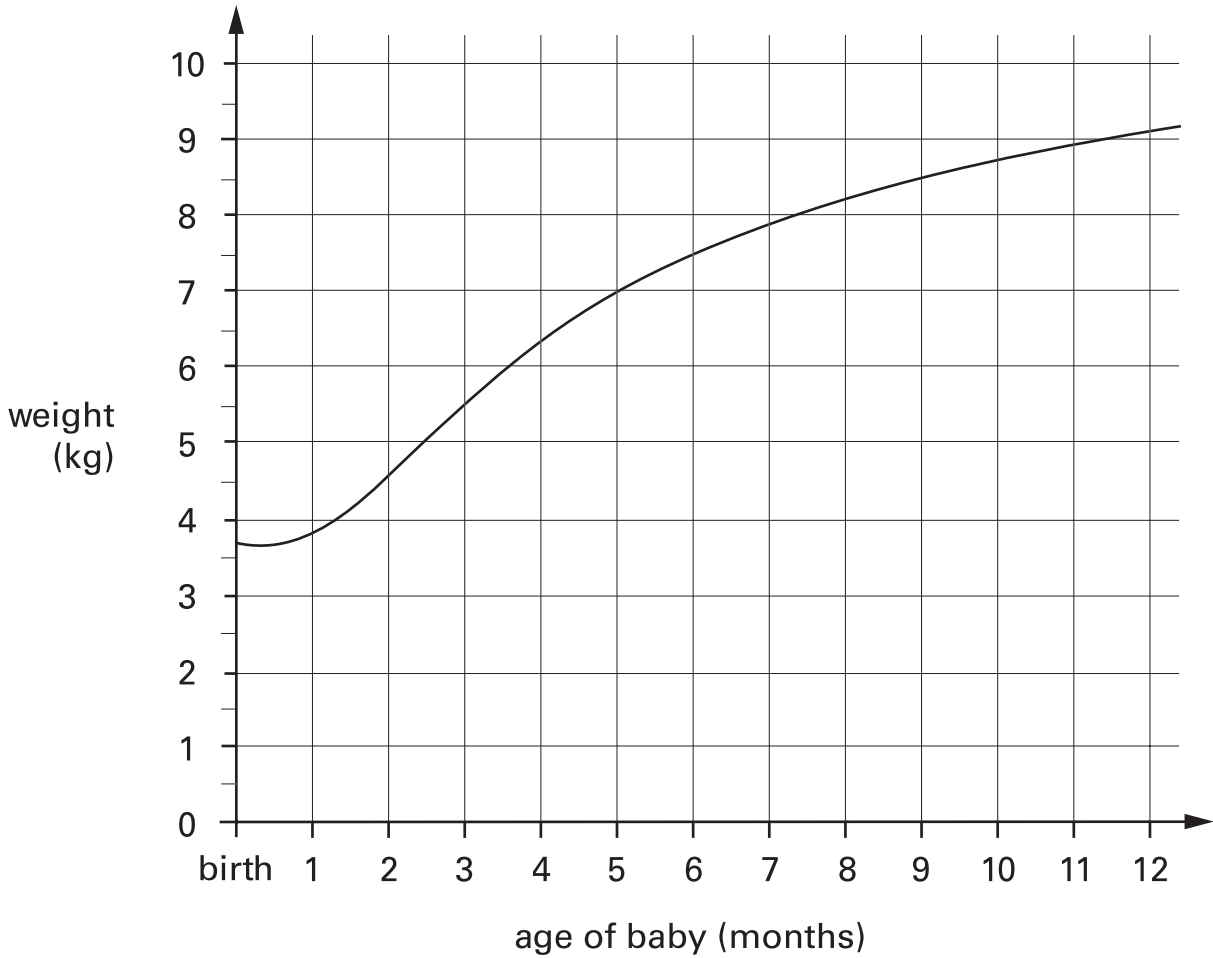
Use the graph to find how long it took the balloon to rise from 30 metres to 60 metres.




1 mark

5

This graph shows how the weight of a baby changed over twelve months.



From the graph, what was the weight of the baby at 10 months?

 kg

1 mark

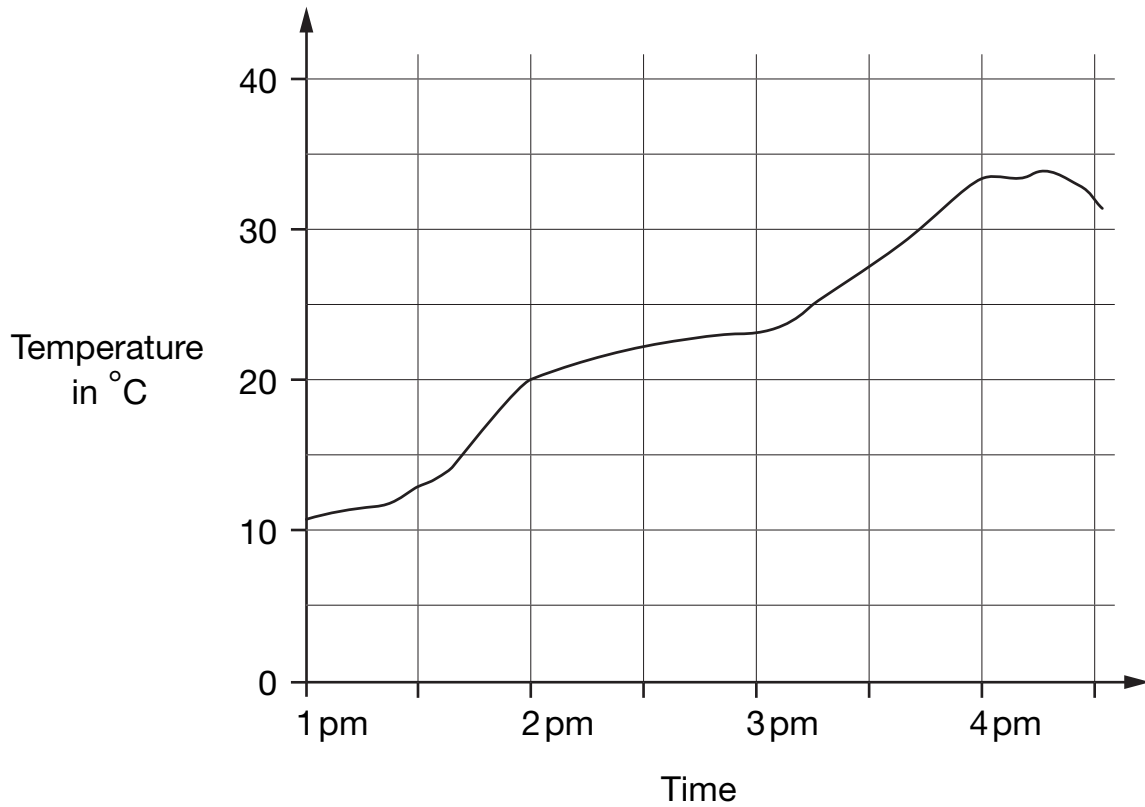
How much **more** did the baby weigh at 5 months than at birth?

 kg

1 mark

6

This graph shows the temperature in a greenhouse.



Use the graph to find the time when the temperature was 25°C.



1 mark

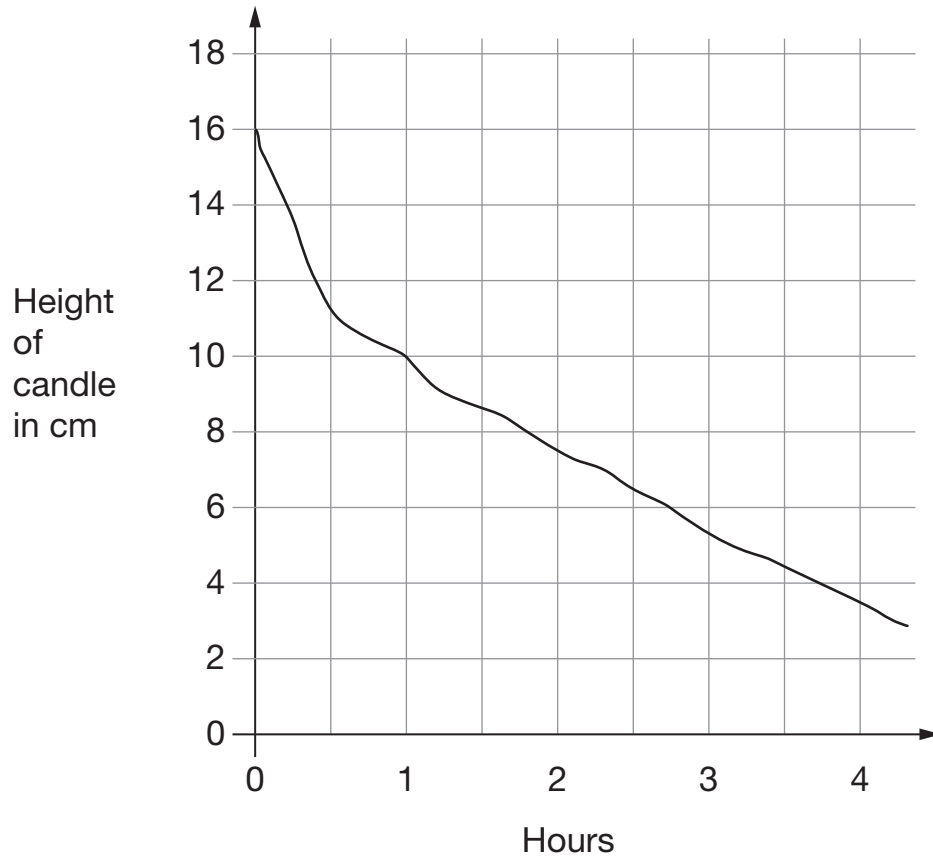
Use the graph to find the difference between the temperature at 2 pm and the temperature at 4 pm.



1 mark

7

This graph shows the height of a candle as it burns.



Look at the graph.

What is the height of the candle after 2 hours?


 cm

1 mark

How long does the candle take to burn down from 16cm to 4cm?



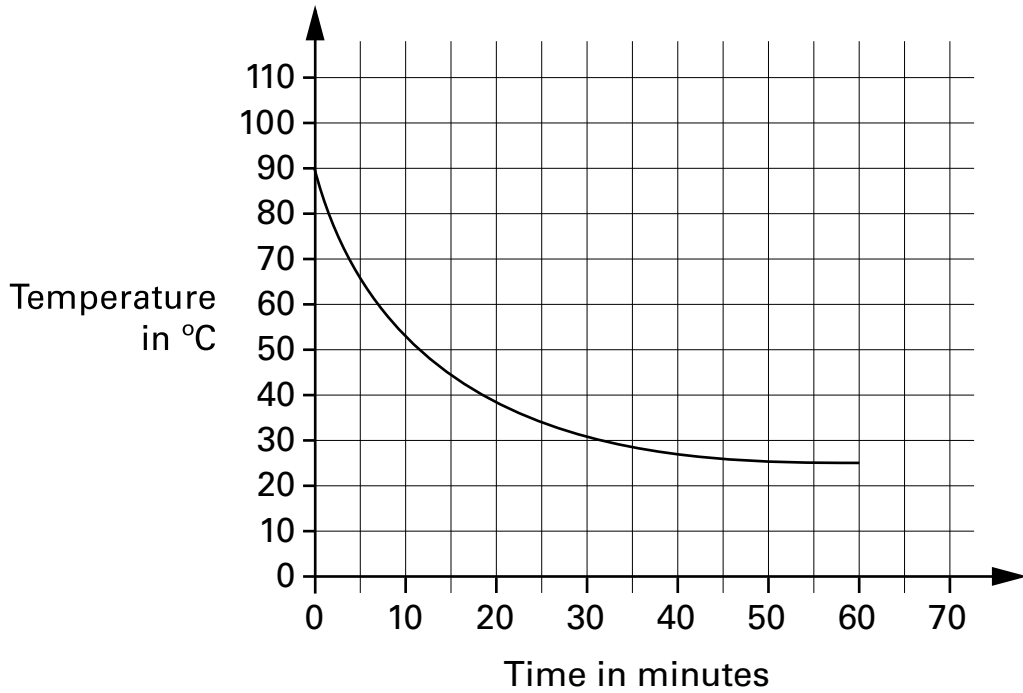

1 mark



8

A hot liquid is left to cool in a science experiment.

This graph shows how the temperature of the liquid changes as it cools.



Read from the graph **how many minutes** it takes for the temperature to reach **40°C**



minutes

1 mark

Read from the graph **how many minutes** the temperature is **above 60°C**



minutes

1 mark