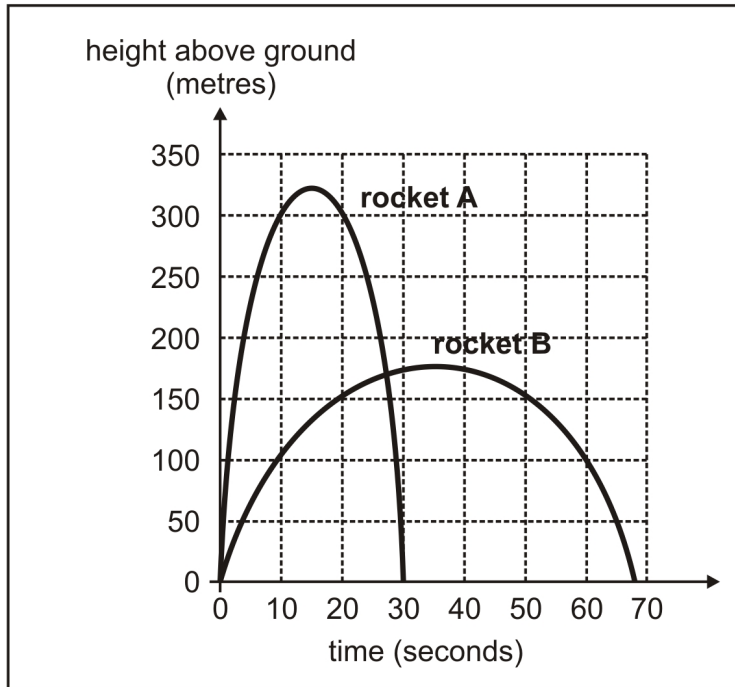


1.

Jim draws a graph to show how high two rockets go during their flight.



Estimate **how much higher** rocket A reaches than rocket B.

1 mark

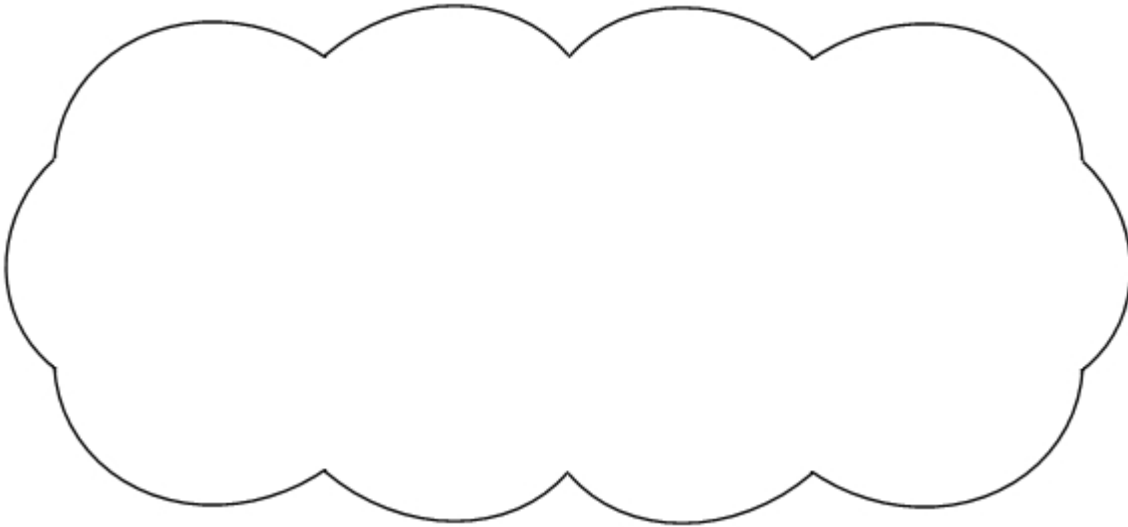
Estimate the **time** after the start when the two rockets are at the **same height**.

1 mark

Jim says,

"The graph shows that rocket A was more than 200 m above the ground for about 23 seconds."

Explain how the graph shows this.



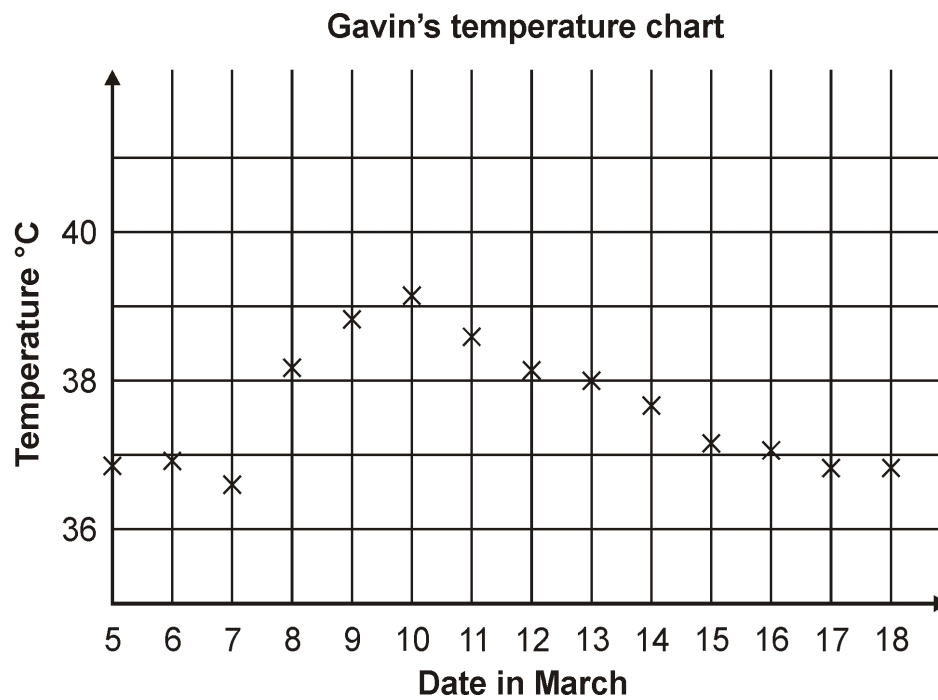
1 mark

2.

Gavin was ill in March.



This is his temperature chart.



For how many days was his temperature marked as **more than 37°C**?

1 mark

Which **date** showed the largest **change in temperature** from the day before?

1 mark

Estimate Gavin's **highest** temperature shown on the graph.

Give your answer to **1 decimal place**.

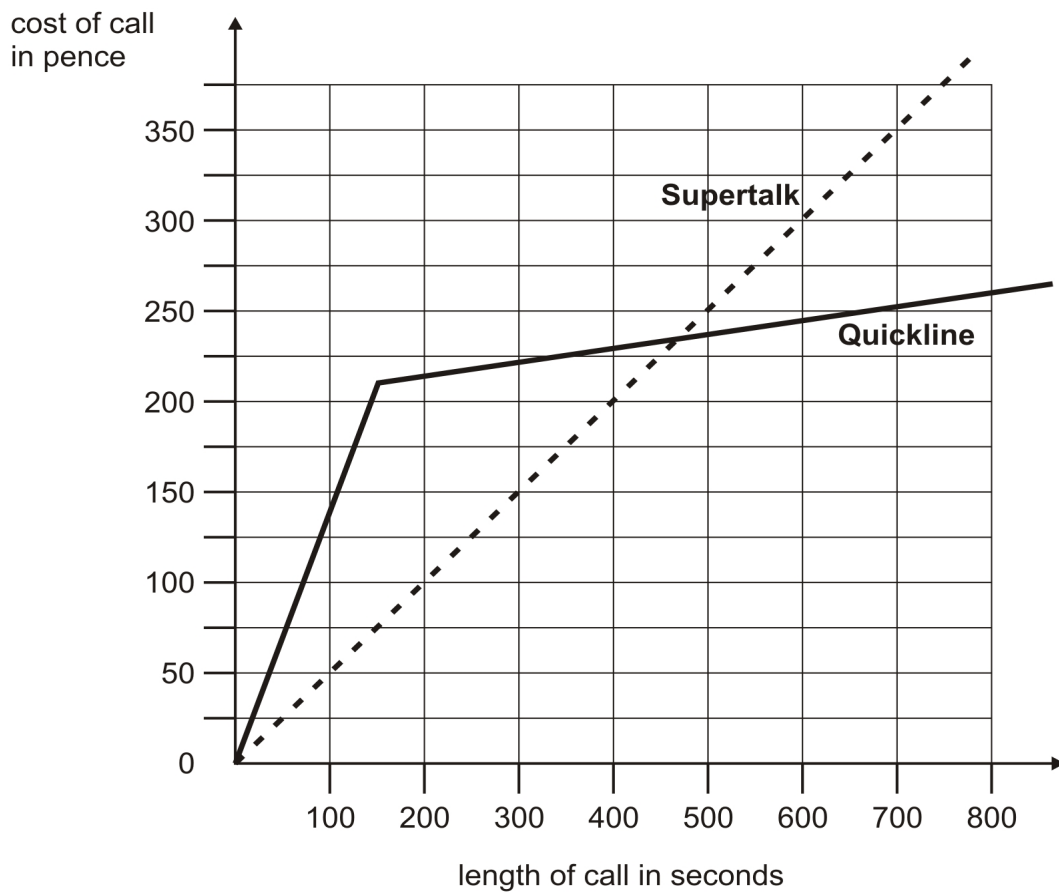
°C

1 mark

3.

Two telephone companies, **Supertalk** and **Quickline**, have different charges for long distance calls.

This graph shows the charges for different lengths of calls.



Estimate from the graph how many seconds longer a **£2** call lasts with **Supertalk** compared to **Quickline**.

seconds

1 mark

Estimate from the graph the length of a call when **Quickline** becomes cheaper to use than **Supertalk**.

Give your answer to the nearest 10 seconds.

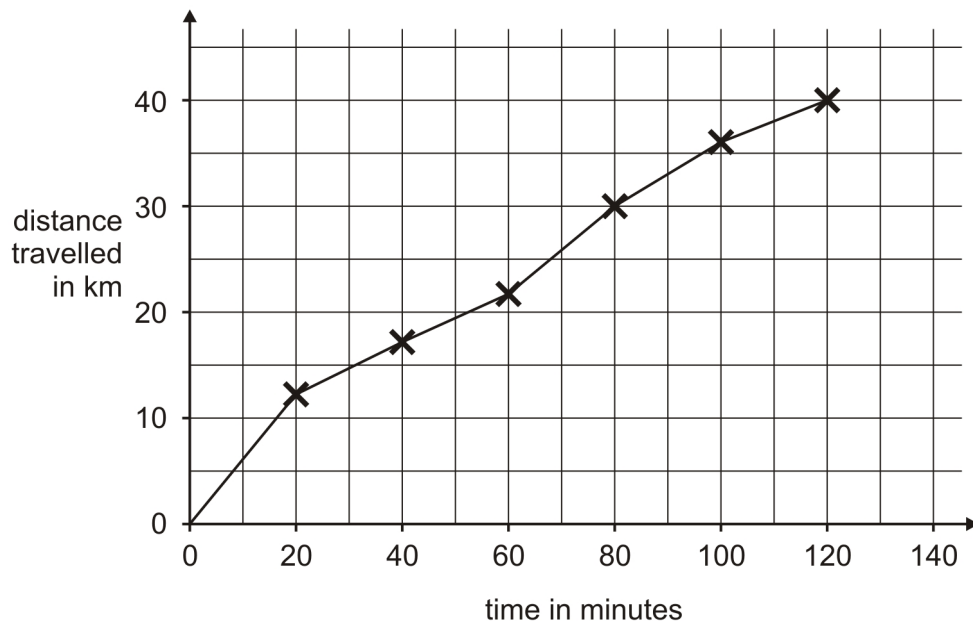
seconds

1 mark

4.

Carol went on a **40-kilometre** cycle ride.

This is a graph of how far she had gone at different times.



How many minutes did Carol take to travel the **last 10 kilometres** of the ride?

minutes

1 mark

Use the graph to estimate the distance travelled in the **first 20 minutes** of the ride.

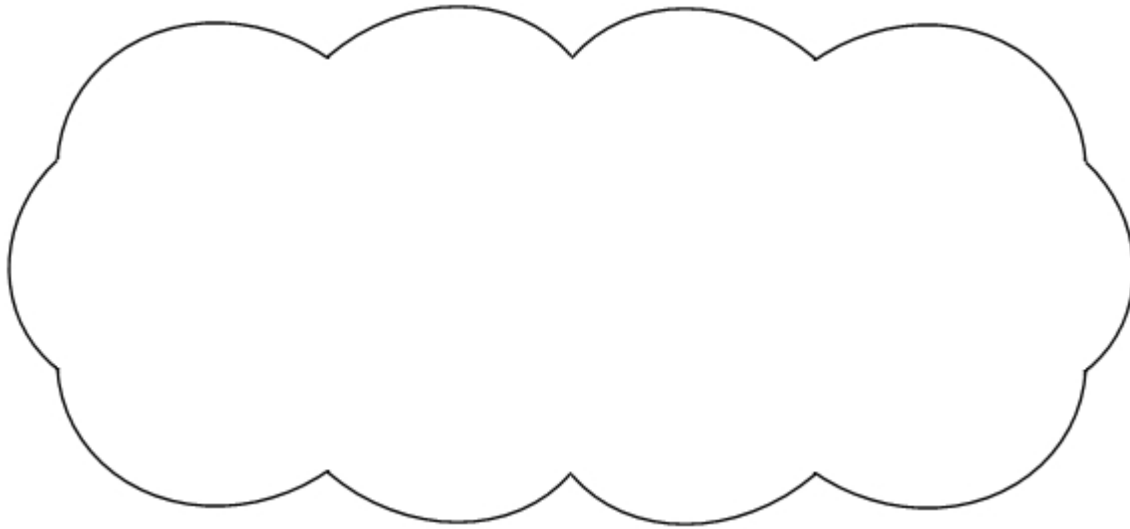
km

1 mark

Carol says,

'I travelled further in the first hour than in the second hour'.

Explain how the graph shows this.



1 mark