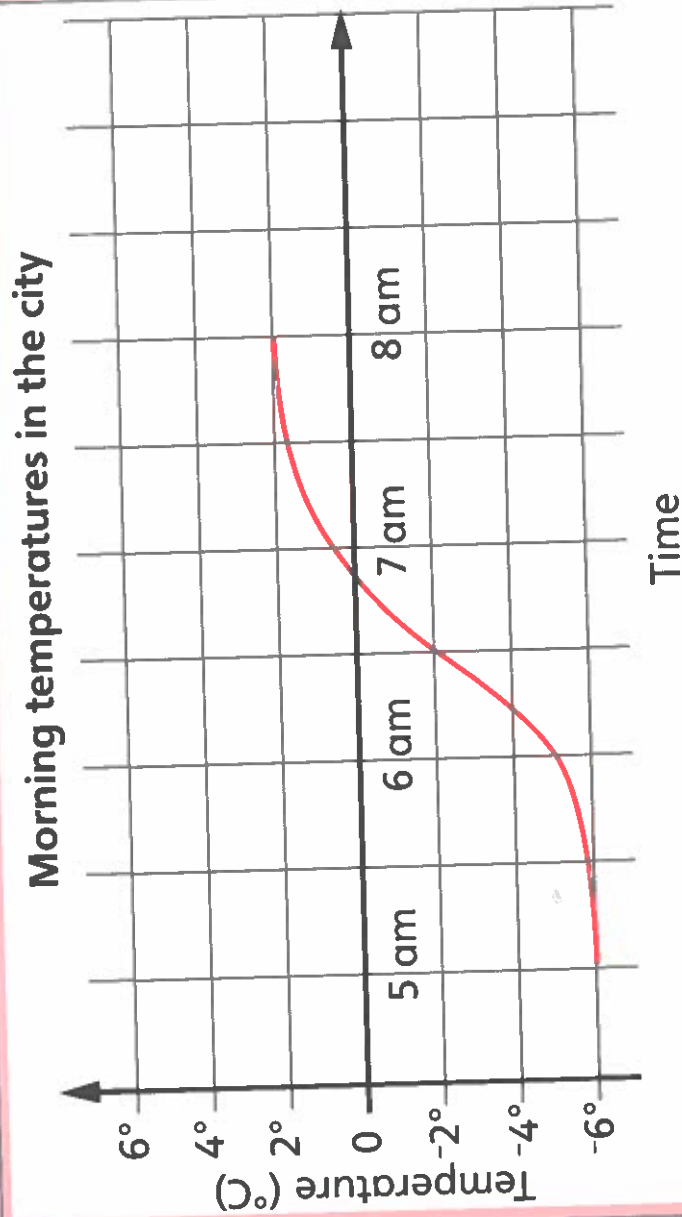


Interpreting line graphs

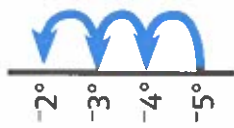
Discover



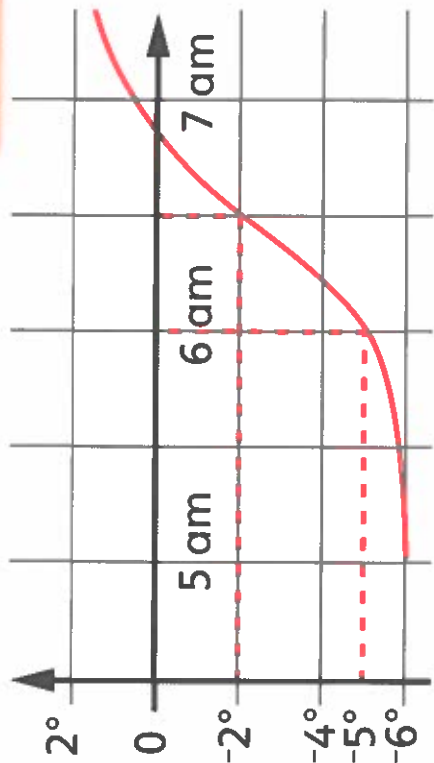
- a) How much did the temperature increase between 6 am and 6:30 am?
- b) Estimate at what time the temperature reached 1 °C.

Share

This graph shows temperatures above and below zero. There are values above and below the x-axis.



a)

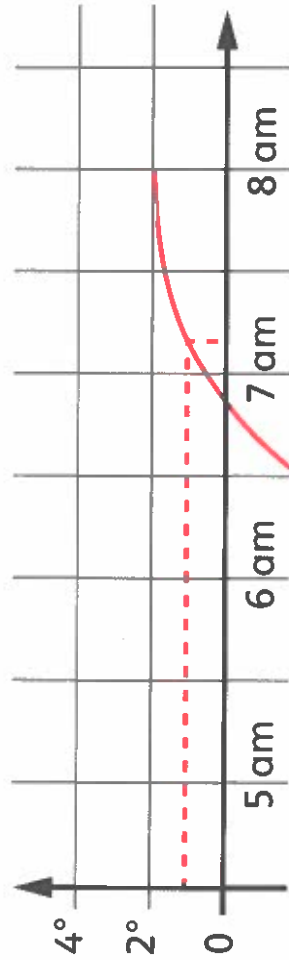


The temperature at 6 am was -5°C .

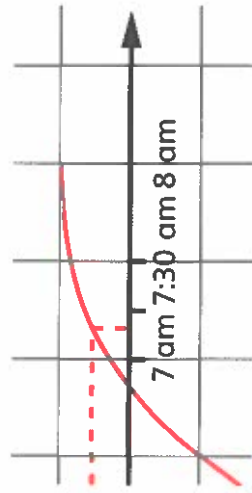
The temperature at 6:30 am was -2°C .

The temperature increased by 3°C .

b)



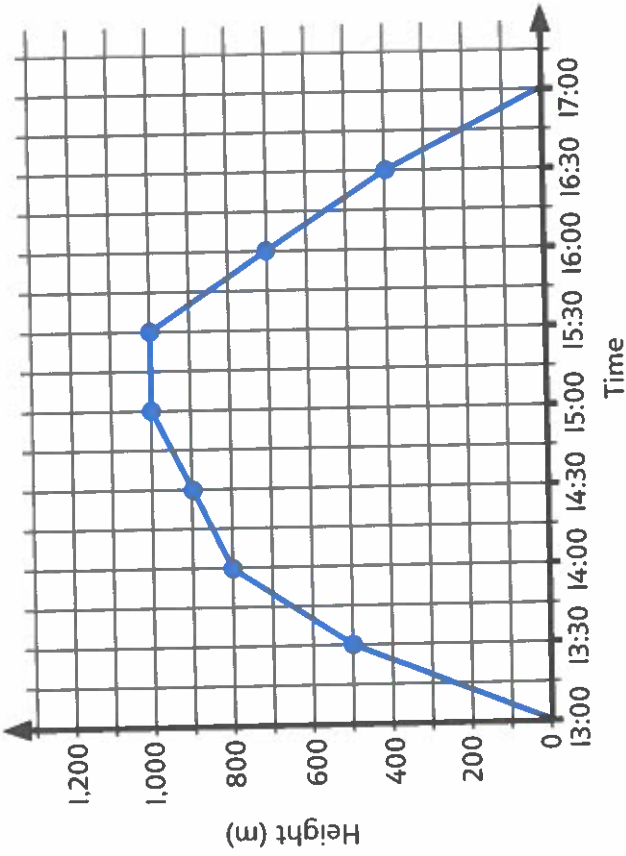
The temperature was 1°C between 7 and 7:30 am.



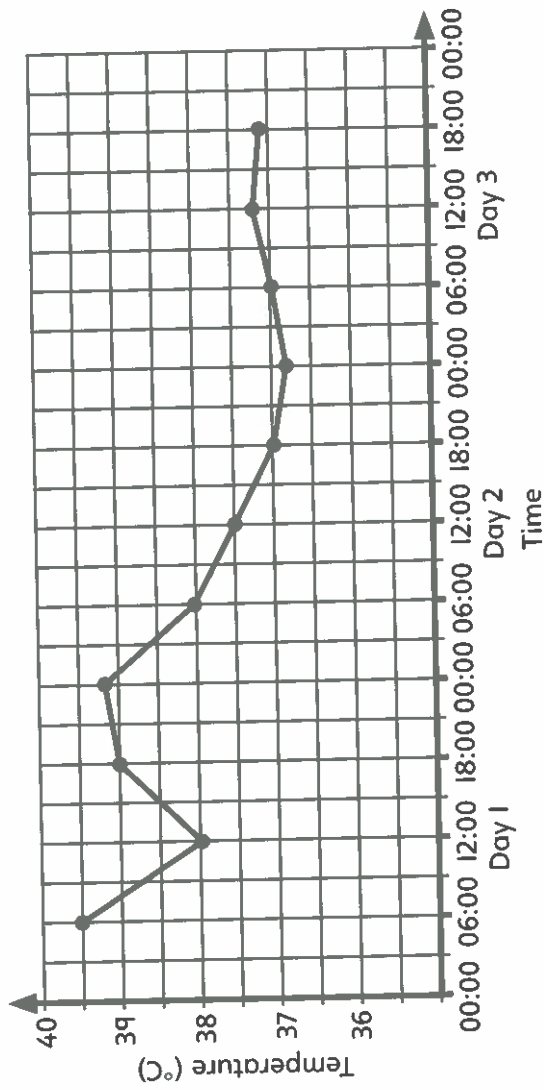
It was 1°C just before 7:15 am. A reasonable estimate would be 7:10 am.

Think together

- 1 This graph shows the height at which a balloon floated between 13:00 and 17:00. How long did the balloon remain above 500 m?

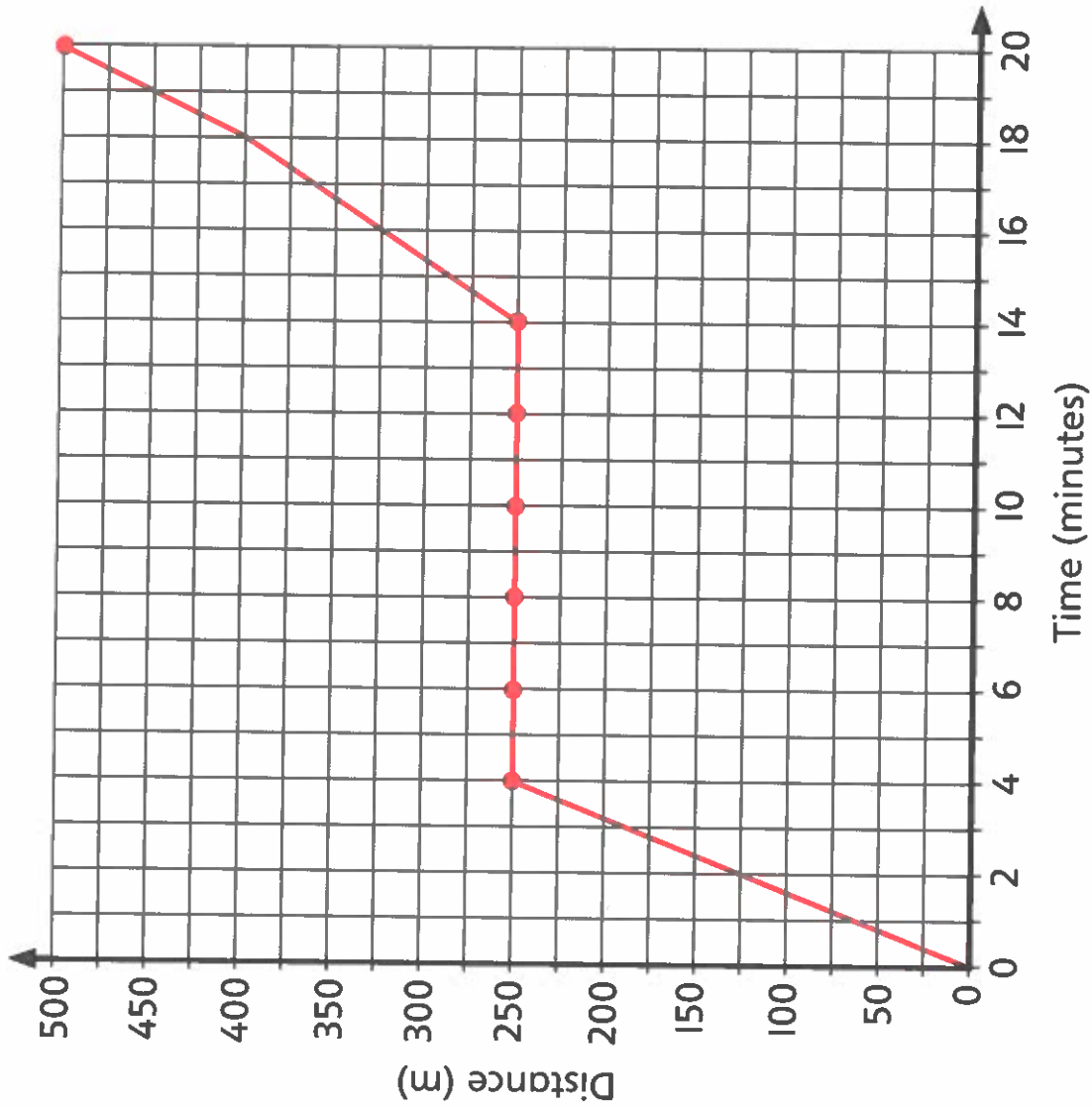


- 2 Below is a patient's temperature graph. Use the graph to complete the values in the table. Estimate the temperatures as accurately as you can.



Time	9:00 – Day 1	9:00 – Day 2	9:00 – Day 3
Temperature			

- 3 a) This graph shows the distance Aki walks as he goes to the shop and then back home.



- b) Andy says: 'I think the graph is incorrect. The last part of the graph should return to 0 km by the end of his journey.'
Explain Andy's mistake.
- How long does it take Aki to reach the shop? How can you tell?
How long does Aki stay in the shop?
How far is the shop from his home?