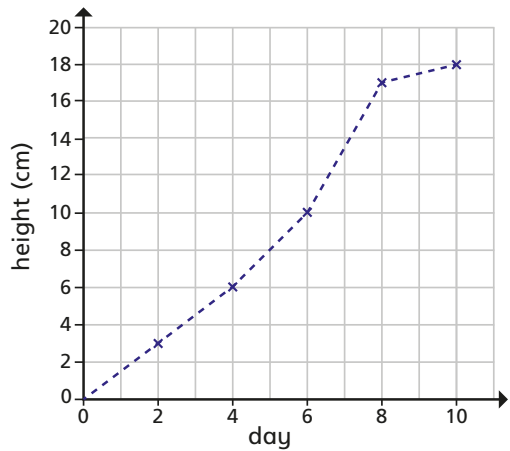


Introducing line graphs

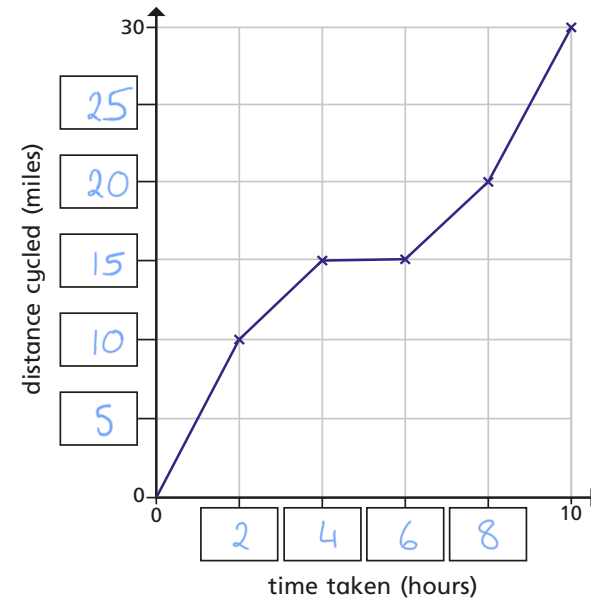


1 The line graph shows the growth of some cress over 10 days.



- a) How tall was the cress on Day 2? cm
- b) On what day did the cress reach 10 cm? day
- c) Estimate the height of the cress on Day 5 cm
- d) Estimate when the cress will reach a height of 14 cm.
day
- e) Between which two consecutive days did the cress grow the most?
day and day
(or 7 & 8)

2 The line graph shows the distance a cyclist travels on a bike ride.
a) Fill in the missing labels.



- b) How long did it take the cyclist to travel 10 miles? hours
- c) How far had the cyclist travelled after 4 hours? miles
- d) How far did the cyclist travel in total? miles
- e) How far did the cyclist travel between 4 and 6 hours? miles

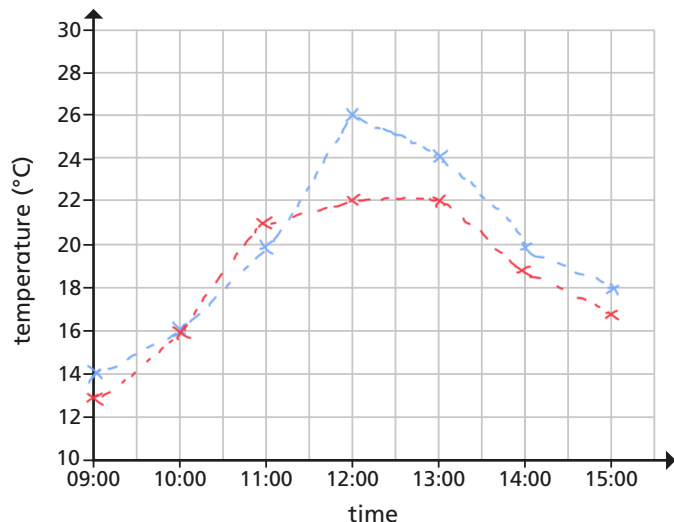
What might have happened during this time?



- 3 The table shows the temperature outside on Monday.

Time	09:00	10:00	11:00	12:00	13:00	14:00	15:00
Temperature (°C)	14	16	20	26	24	20	18

- a) Use the information in the table to complete the line graph.



Key Monday Tuesday

- b) On Tuesday, the following temperatures were recorded.

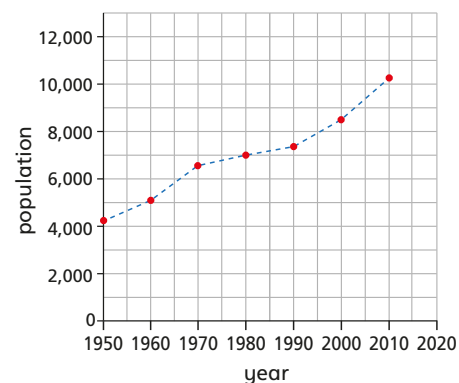
Time	09:00	10:00	11:00	12:00	13:00	14:00	15:00
Temperature (°C)	13	16	21	22	22	19	17

Add the new information to your line graph using a different colour and complete the key.

- c) At what time was it hotter on Tuesday than on Monday?

11:00

- 4 The graph shows the population of a town from 1950 to 2010



- a) Circle the correct word to complete the statement.

The population of the town increased / decreased from 1950 to 2010

- b) Estimate the highest recorded population.

10,200

- c) In what year did the population first reach 7,000?

1980

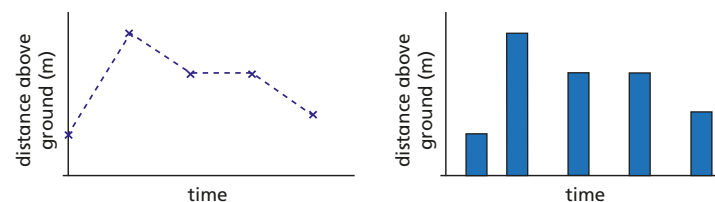
- d) Estimate the population in 1970

6,500

- e) Estimate the population in 2006

9,500

- 5 The line graph and bar chart both show the distance above ground of a bird.



Which representation is more appropriate?

line graph

Explain your choice to a partner.