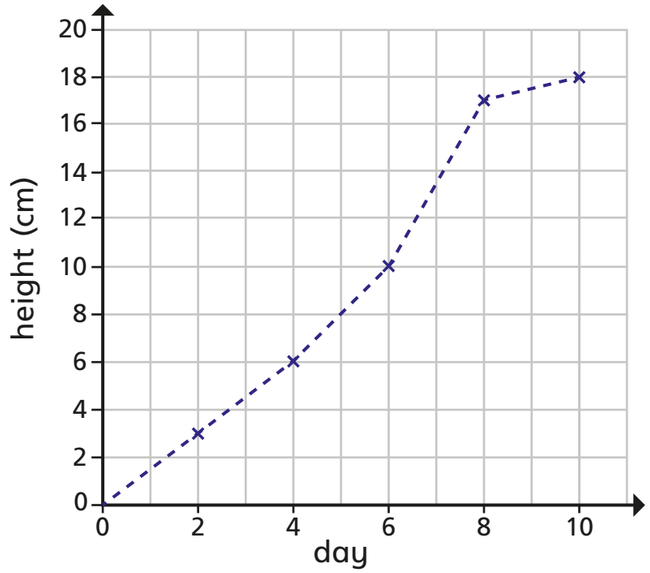
Introducing line graphs

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.

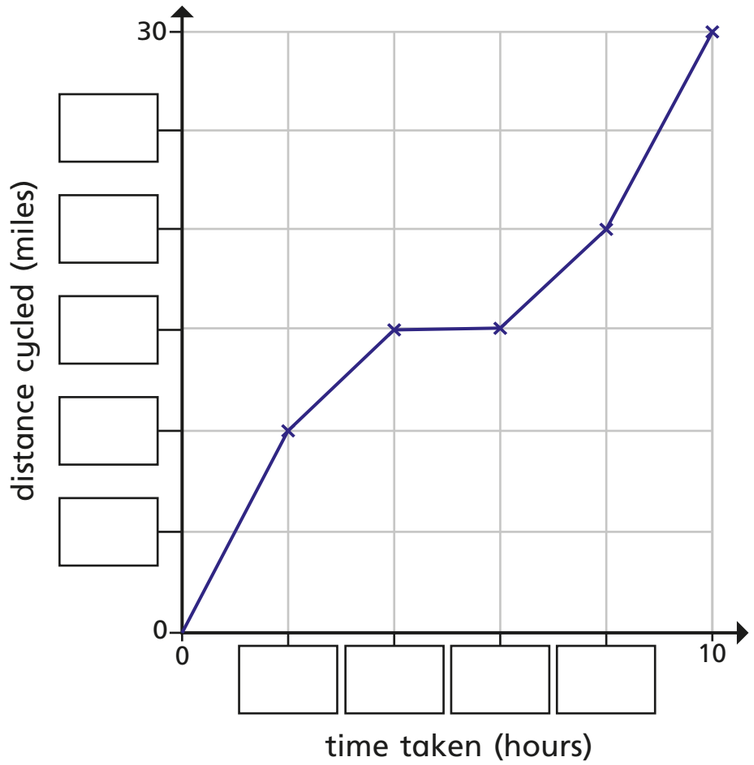
day ☐

e) Between which two consecutive days did the cress grow the most?

day ☐ and day ☐

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?

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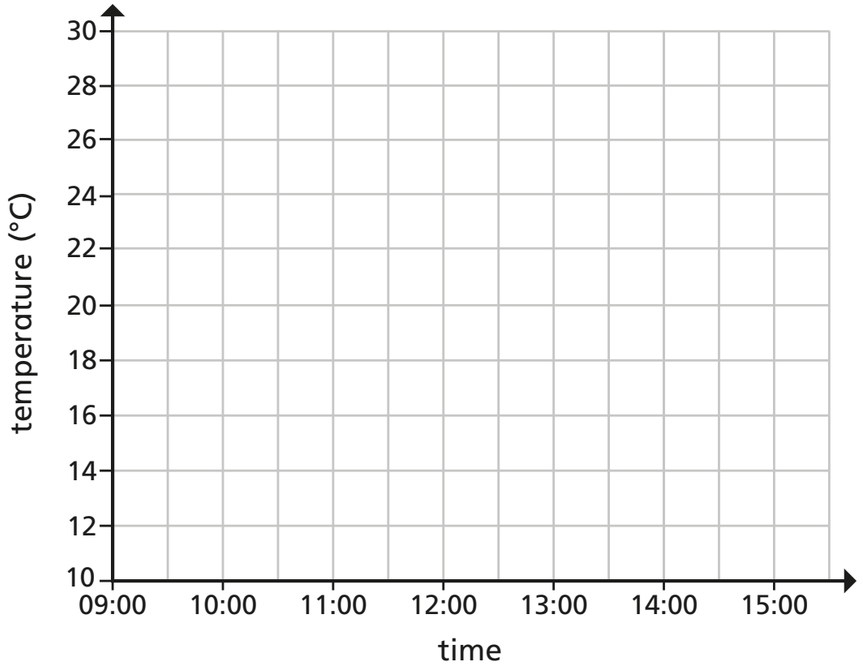
3 The table shows the temperature outside on Monday.

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 _____

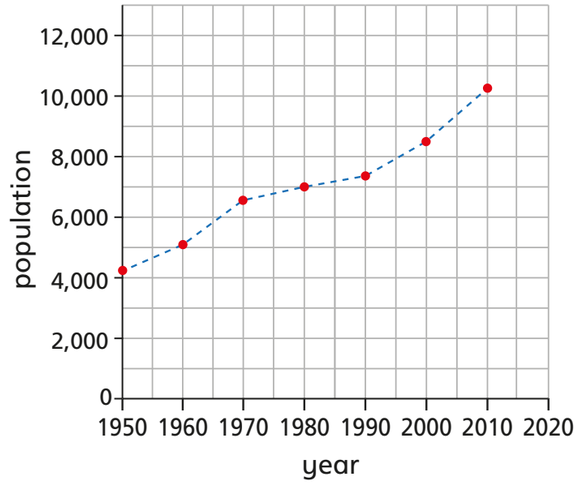
b) On Tuesday, the following temperatures were recorded.

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?

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

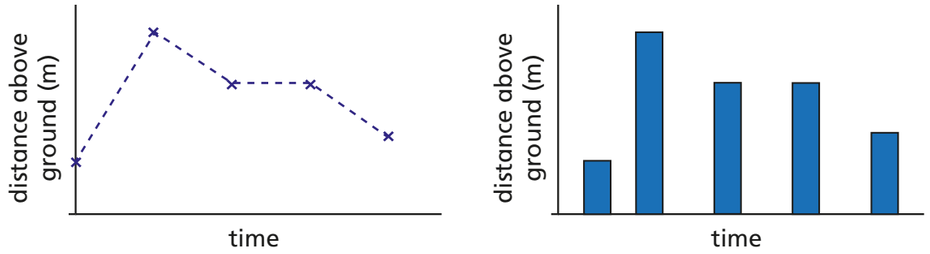
b) Estimate the highest recorded population.

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

d) Estimate the population in 1970

e) Estimate the population in 2006

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



Which representation is more appropriate? _____

Explain your choice to a partner.

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