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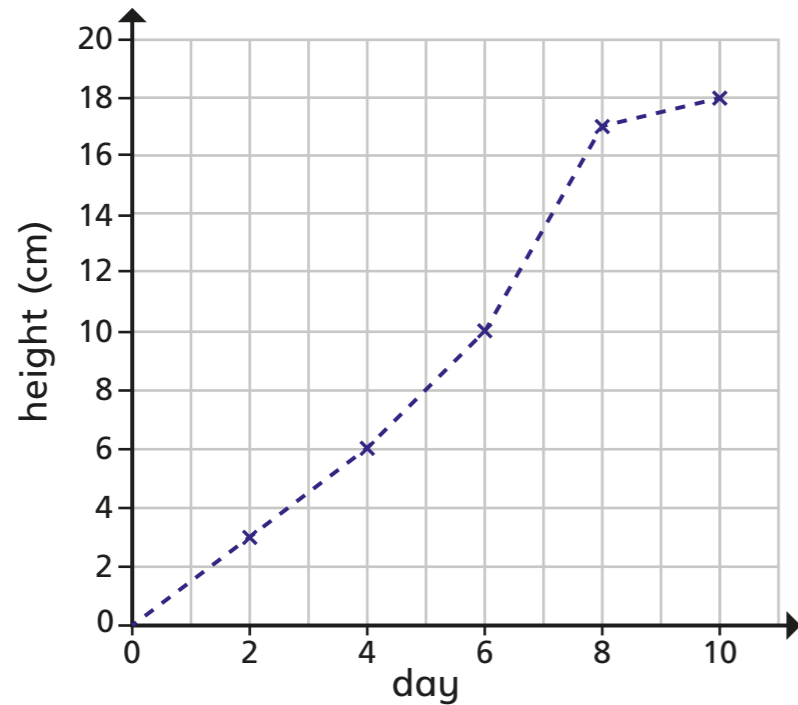
1 The line graph shows the growth of some cress over 10 days.

a) How tall was the cress on Day 2? $\boxed{3}$ cm

b) On what day did the cress reach 10 cm?   day $\boxed{6}$

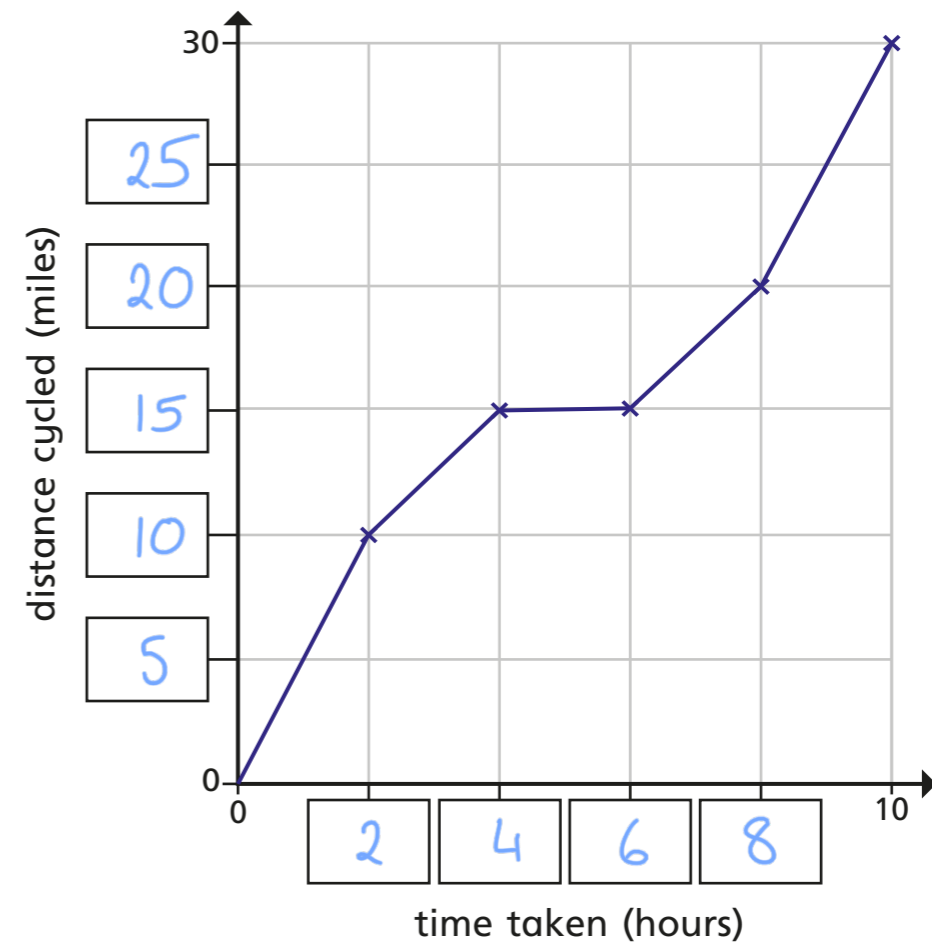**c)** Estimate the height of the cress on Day 5 $\boxed{8}$ cm

d) Estimate when the cress will reach a height of 14 cm.

day $\boxed{7}$

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

day $\boxed{9}$ and day $\boxed{10}$

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?

$\boxed{2}$ hours

c) How far had the cyclist travelled after 4 hours?

$\boxed{15}$ miles

d) How far did the cyclist travel in total?

$\boxed{30}$ miles

e) How far did the cyclist travel between **4** and **6** hours?
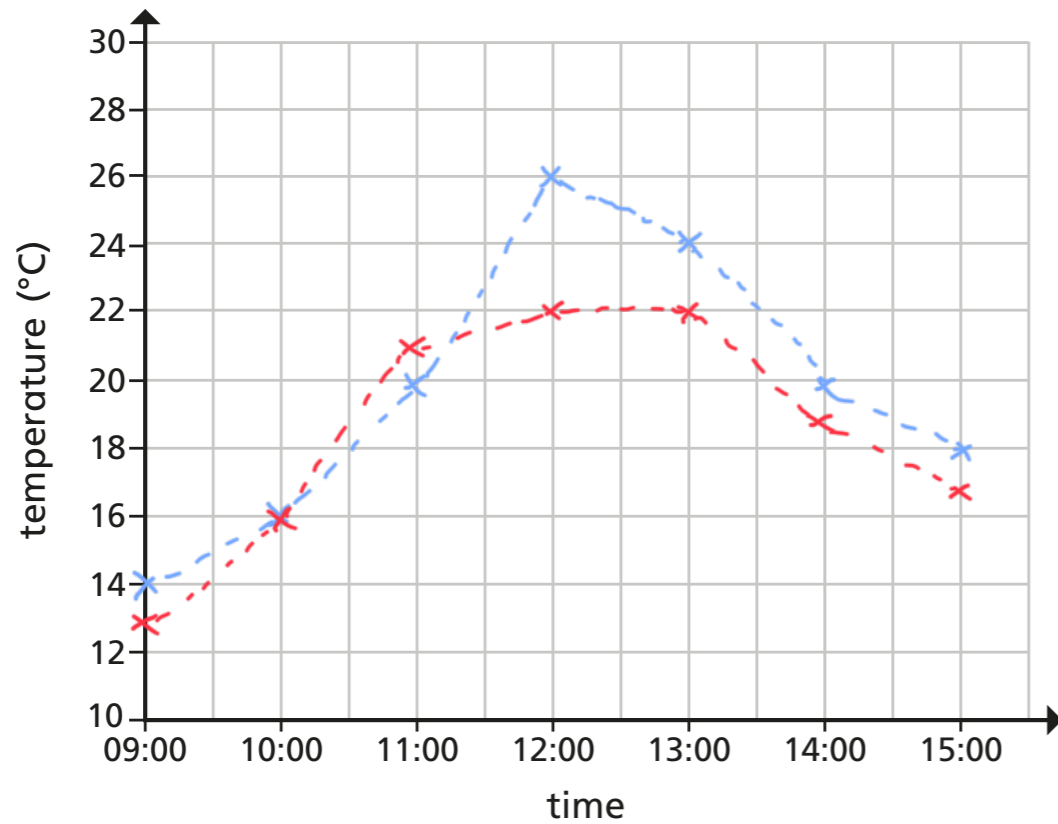
$\boxed{0}$ miles

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
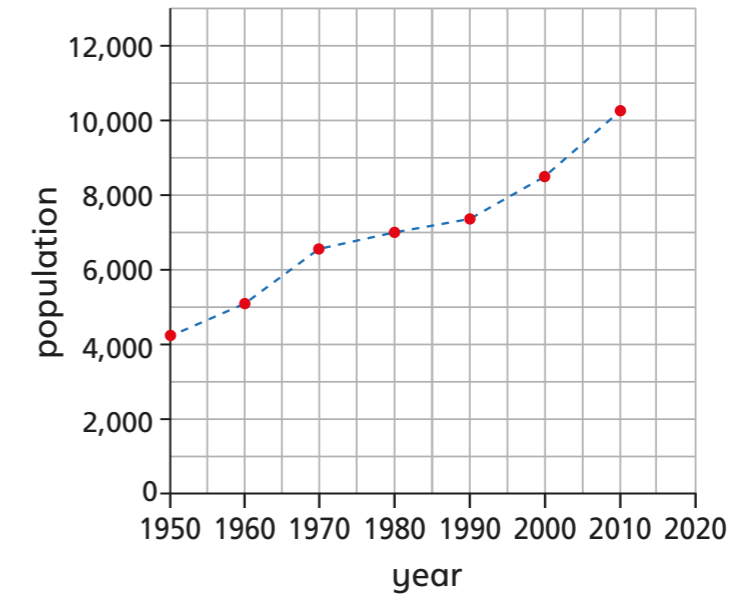
a) Circle the correct word to complete the statement.

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

b) Estimate the highest recorded population.

10,200

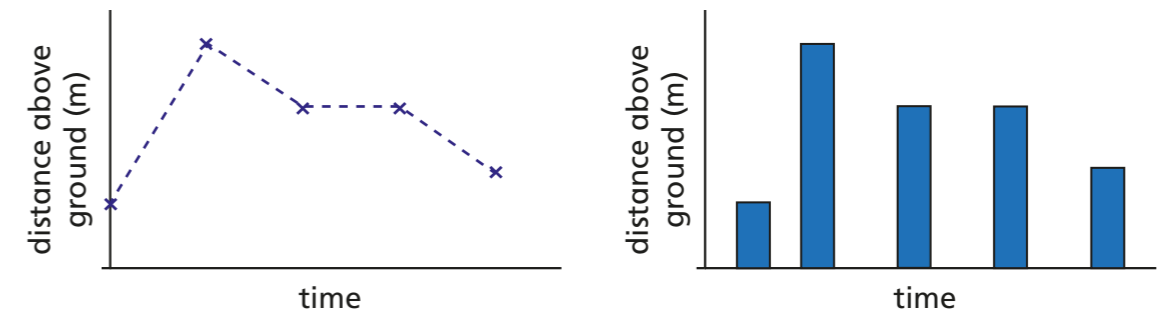**c)** In what year did the population first reach 7,000?

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.