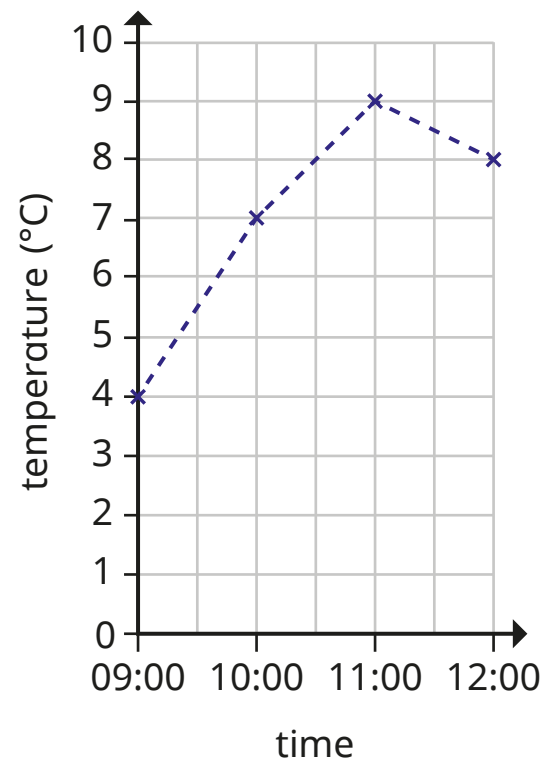


Interpret line graphs

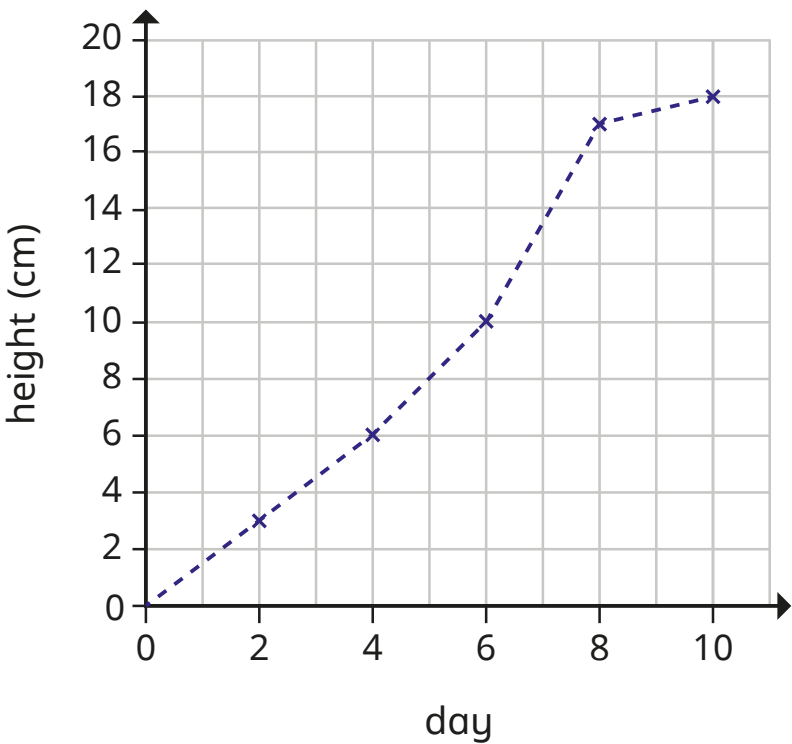


- 1 The line graph shows the temperature at different times during the day.



- a) What is the temperature at 10:00? °C
- b) At what time is the temperature 9 °C?
- c) How much did the temperature increase between 09:00 and 11:00?
 °C
- d) Between what times did the temperature fall?
 and

- 2 The line graph shows the growth of some cress over ten days.

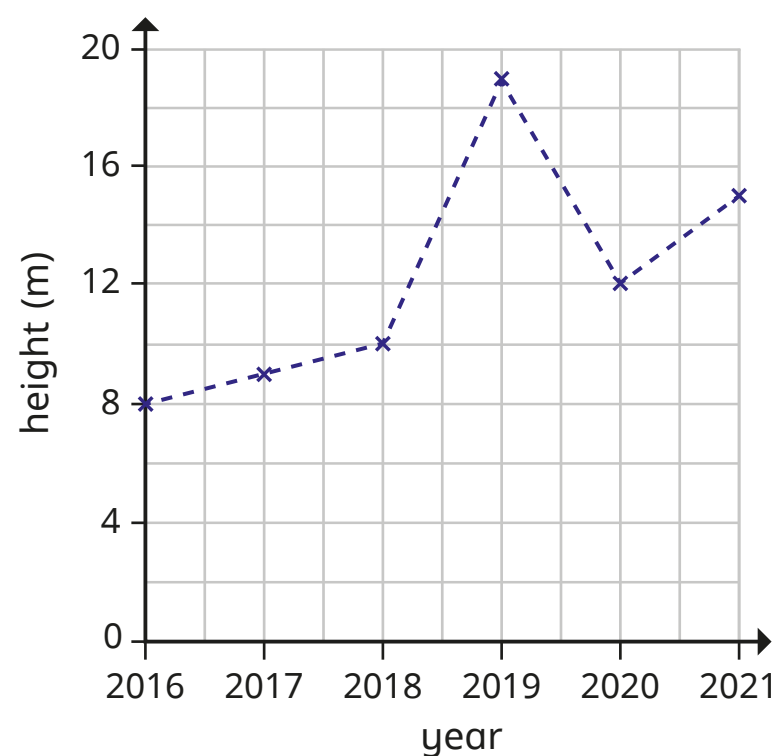


- a) How tall was the cress on day 2? cm
- b) On what day did the cress reach 10 cm? day
- c) How much taller was the cress on day 10 than day 4? cm
- d) Estimate the height of the cress on day 5 cm
- e) Estimate when the cress reached a height of 14 cm.
day

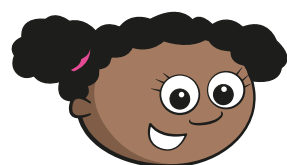
Why are your answers to parts d) and e) estimates?



- 3 A tree's height was measured at the start of each year.



- a) What is the difference in height between the start and end of recording? m
- b) How much did the tree grow between the start of 2018 and the start of 2019? m
- c) What happened in 2019?
What might have caused this?
- d) Estimate the height of the tree in June 2018 m
- e) By 2023, the tree has grown to three times the height it was at the start of 2017

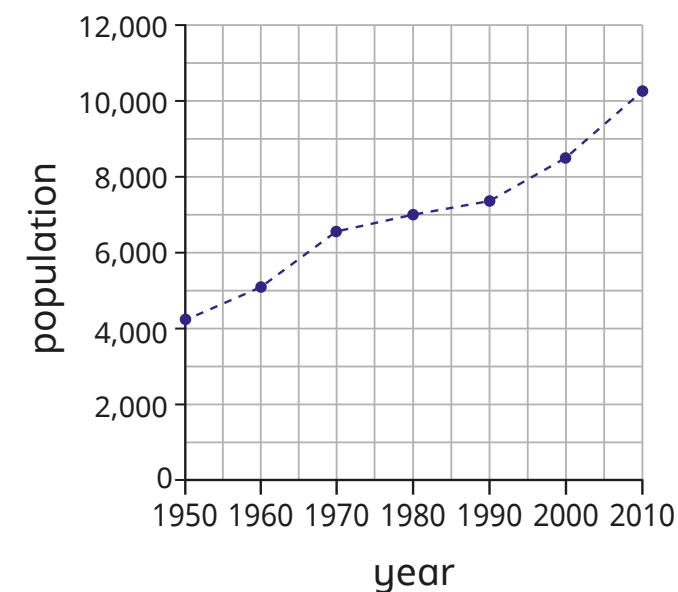


The tree will be at the tallest height it has ever been.

Do you agree with Whitney? _____
Explain your answer.

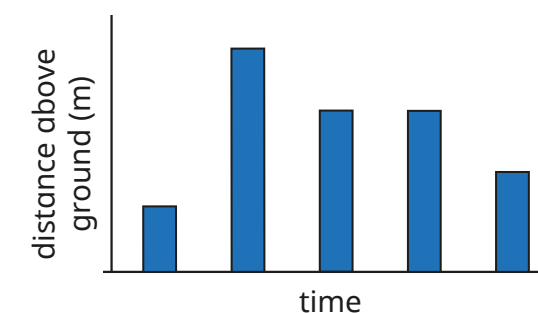
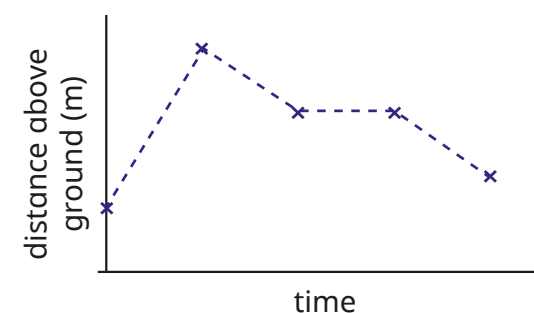


- 4 The graph shows the population of a town from 1950 to 2010



- 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.

