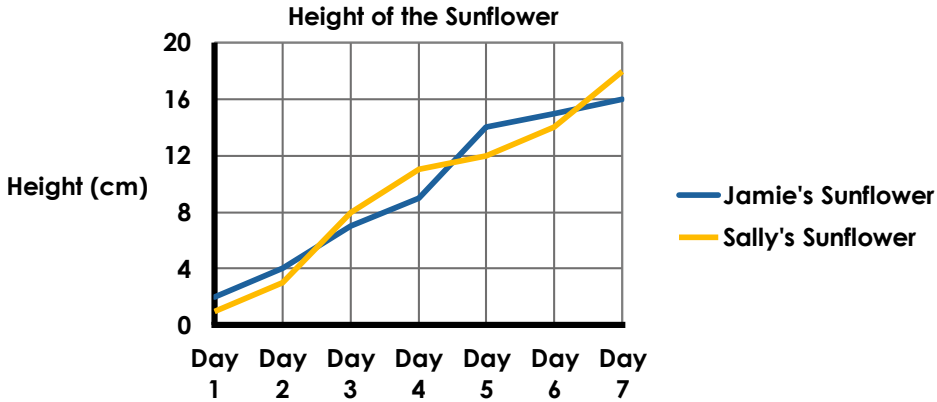


Read and Interpret Line Graphs

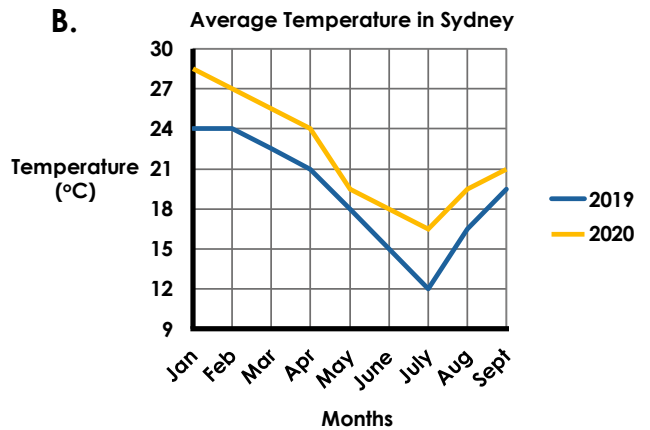
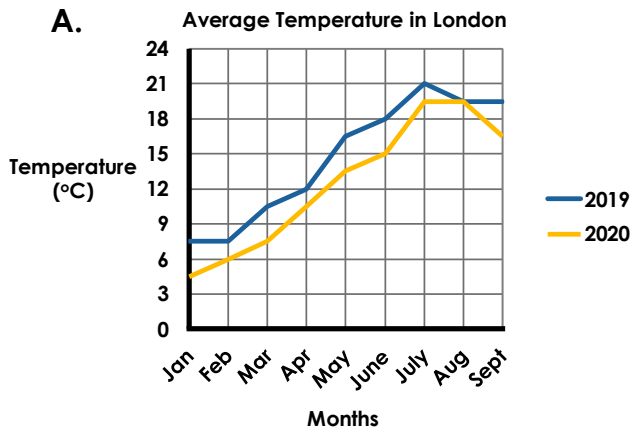
1. According to the graph, which statements are correct?

- A. Both plants largest growth was approximately 5 cm in one day.
- B. By Day 7, the difference in height between the plants was approximately 2 cm.



VF

2. Identify whether each statement relates to graph A or graph B.

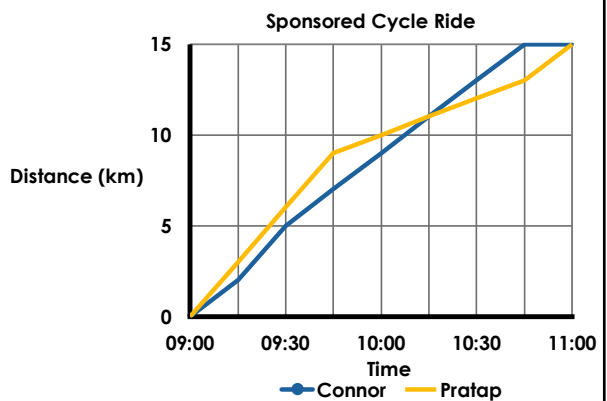


- 1) The average temperature in March 2019 was approximately 22.5 °C.
- 2) The difference in average temperature between 2019 and 2020 in May was > 2 °C.
- 3) The average temperature in July 2020 was below 19 °C.

VF

3. Janelle has written some statements about her line graph below but has made some mistakes. Find and correct her mistakes.

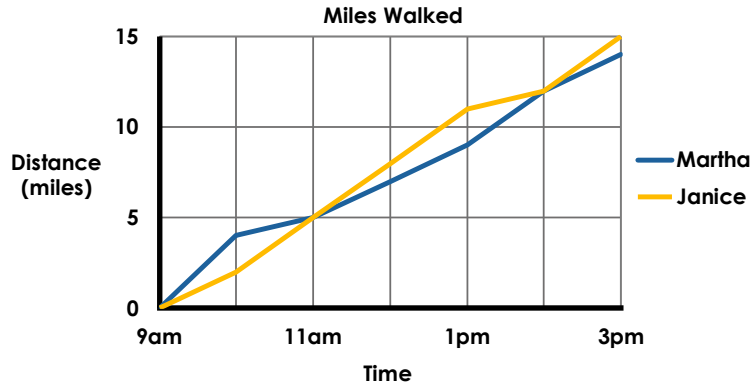
- A. Conner finished cycling at 11:00 am.
- B. Pratap cycled 3 km in the first 15 minutes.
- C. Connor had cycled 8 km by 09:45 am.
- D. Pratap had cycled 10 km by 10:00 am.
- E. Pratap cycled 2 km in the last 15 minutes.



VF

Read and Interpret Line Graphs

4. Martha and Janice are completing a sponsored walk for charity.



Over which three consecutive hours was the greatest distance walked and by whom? How many miles did she walk in this time?

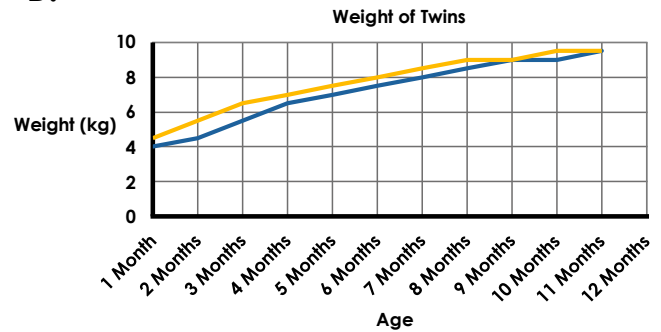
PS

5. The health visitor is recording the weight of twins during their first year.

A.



B.



Which graph most likely shows the data? Explain how you know.

R

6. Hamaad and Lucy are interpreting a graph.

Hamaad says,

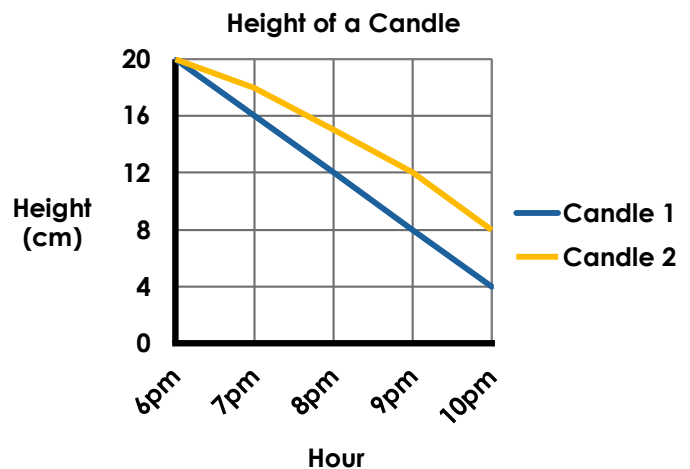


I know that candle 1 burned down by 20 cm because the line starts at 20 cm.

Lucy says,



I know that candle 2 burned down by 6 cm between 7pm and 9pm because $18 \text{ cm} - 12 \text{ cm} = 6 \text{ cm}$.



Who is correct? Explain.

R

Read and Interpret Line Graphs

1. Both A and B are correct.
2. 1 = B; 2 = A; 3 = B
3. A and C are incorrect. Corrections: A = Connor finished cycling at 10:45 am; C = Connor had cycled approximately 7 km by 09:45 am.
4. Janice walked the furthest between 10am and 1pm. She walked 9 miles over the three hours.
5. Graph B most likely shows the data because in graph A one of the measurements starts at 0. A baby will always weight something, therefore this is incorrect.
6. Lucy is correct. At 7pm candle 2 was 18 cm tall and at 9pm candle 2 was 12 cm tall. The difference between 18 and 12 is 6 cm. Hamaad is incorrect because the graph is showing the height of the candle and even though the line starts at 20 cm, it ends at 4 cm, not zero. The difference between the first and last values is not 20 cm but 16 cm.