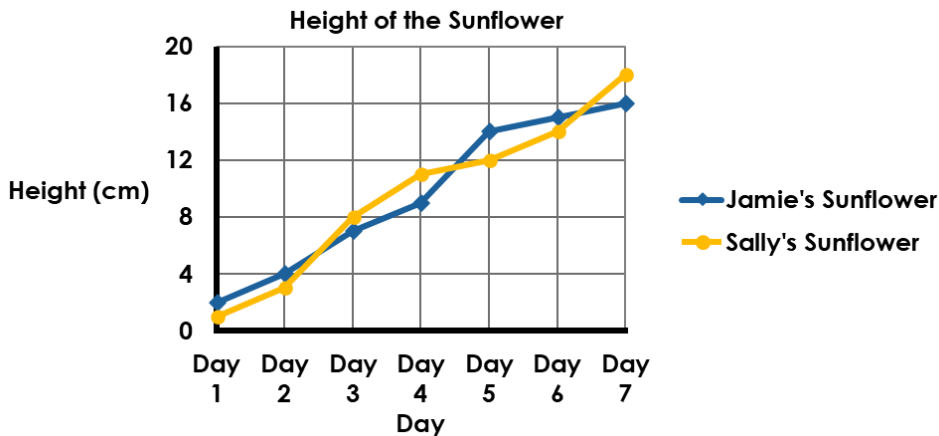


Read and Interpret Line Graphs

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

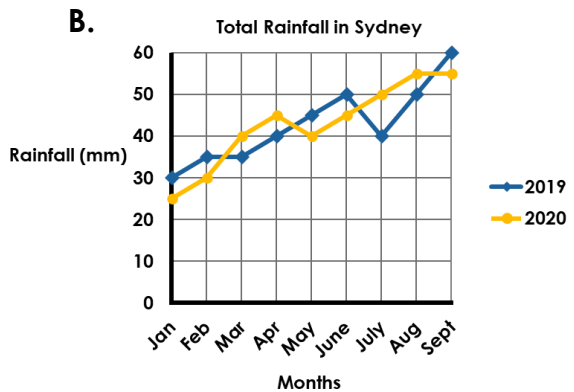
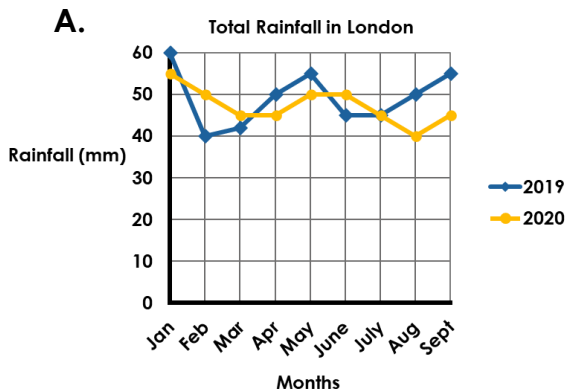
A. Both plant's largest growth was approximately 5 cm in one day.

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 rainfall in March 2019 was approximately 42 mm.

2) The difference in rainfall between 2019 and 2020 in August was less than 10 mm.

3) The rainfall in February 2020 was below 35 mm.

VF

3. Jamelle 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.

☐

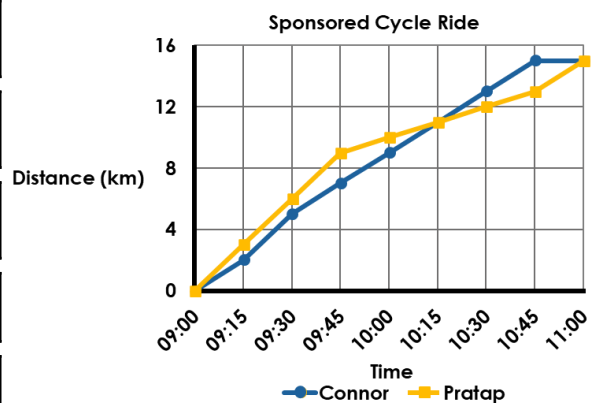
C. Connor had cycled 8 km by 09:45 am.

☐

D. Pratap had cycled 10 km by 10:00 am.

☐

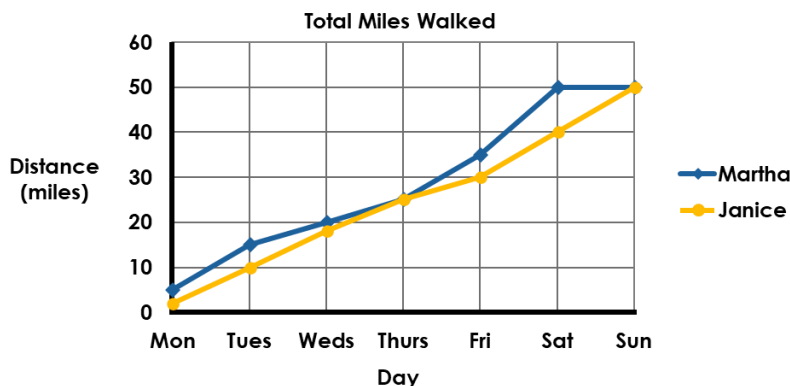
E. Pratap cycled 2 km in the last 15 minutes.

☐


VF

Read and Interpret Line Graphs

4. Martha and Janice are completing a sponsored walk for charity. They are walking 50 miles over a week.

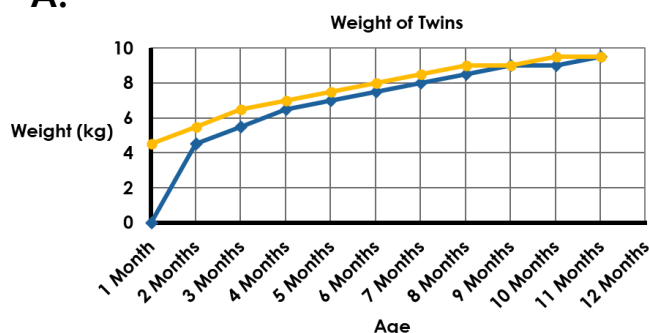


Over which four consecutive days was the greatest distance walked and by whom? Which days was the span over?

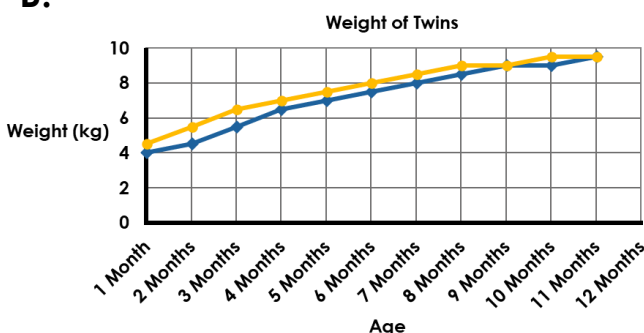
PS

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,

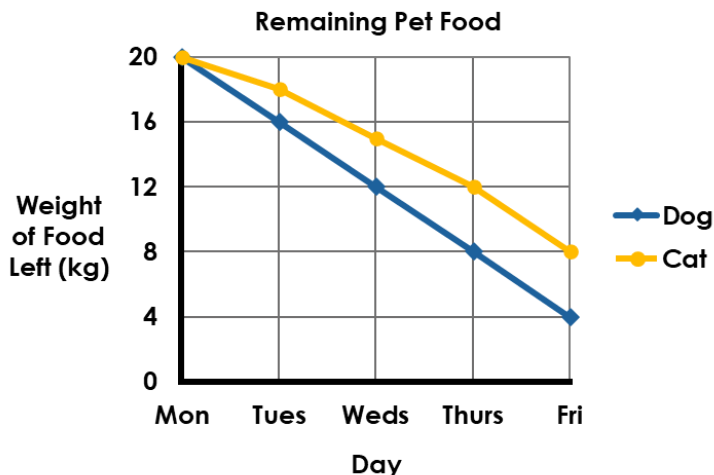


I know the dog ate 20 kg of food because the line starts at 20 kg.

Lucy says,



I know the cat ate 6 kg of food between Tuesday and Thursday because $18 \text{ kg} - 12 \text{ kg} = 6 \text{ kg}$.



Who is correct? Explain.

R

Read and Interpret Line Graphs

1. Both A and B are correct.
2. 1 = A; 2 = B; 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. Martha walked the furthest over Wednesday, Thursday, Friday and Saturday. She walked 35 miles over the four days.
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. On Tuesday there was 18 kg of food left and on Thursday there was 12 kg of food left. The difference between 18 and 12 is 6 kg. Hamaad is incorrect because the graph is showing how much food is remaining and even though the line starts at 20 kg, it ends at 4 kg, not zero. The difference between the first and last values is not 20 but 16.