Line graphs

Grade 2 | Foundation | 5 questions, 20 marks

GCSE Statistics topic practice

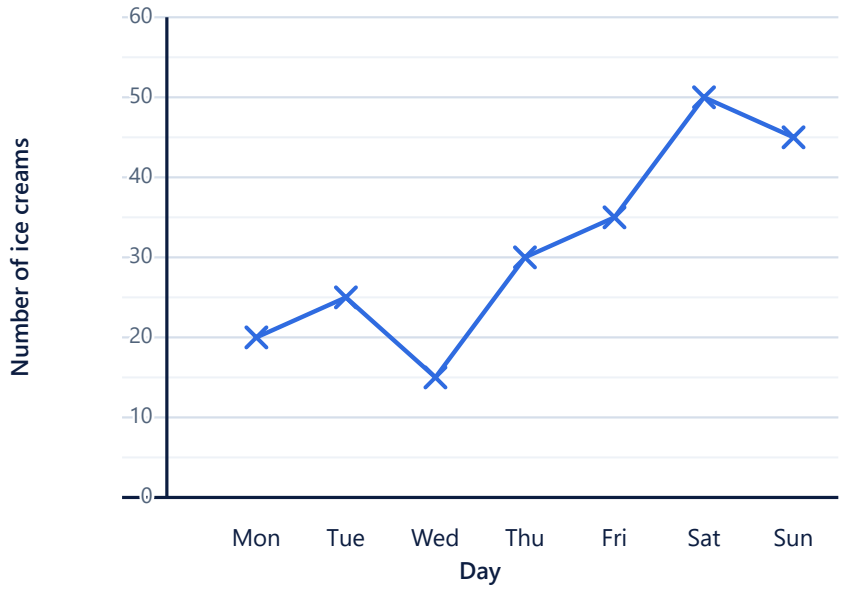
Name: _____ **Date:** _____ **Score:** _____ **/ 20**

1 The line graph shows the number of ice creams a kiosk sold each day for one week.

a. How many ice creams were sold on Thursday? (1)

b. On which day were the fewest ice creams sold? (1)

c. How many more ice creams were sold on Saturday than on Monday? (1)



(3 marks)

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

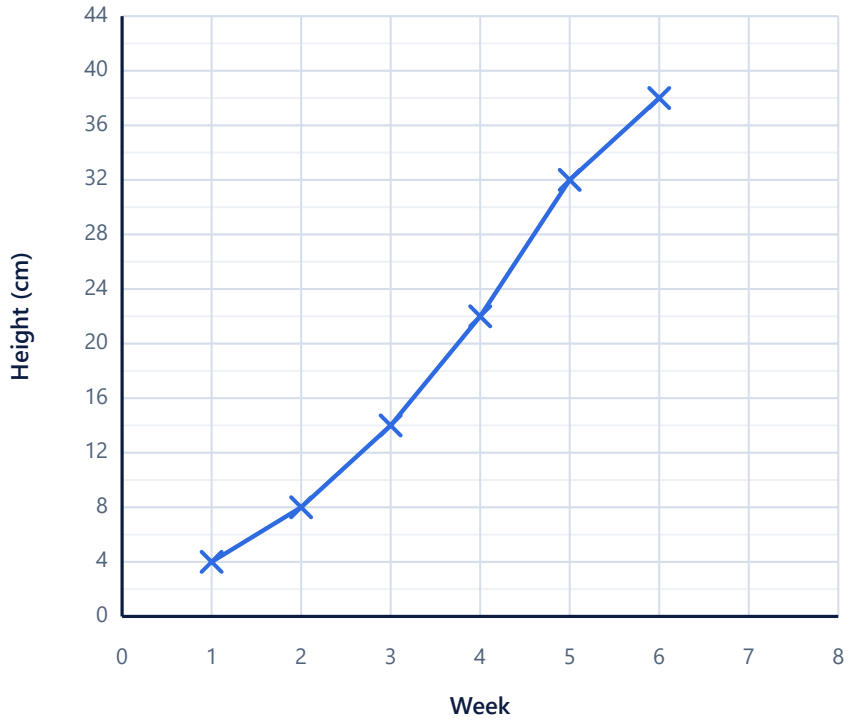
2 Farid measures the height of a sunflower at the end of each week. The line graph shows his results for the first 6 weeks.

a. Write down the height of the sunflower at the end of week 3. (1)

b. Between which two weeks did the sunflower grow the most? (1)

c. At the end of week 7 the height was 42 cm. Plot this point and complete the line graph. (1)

d. Describe how the growth of the sunflower changed after week 5. (1)



(4 marks)

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

3 The table shows the number of visitors to a school website in each of six months.

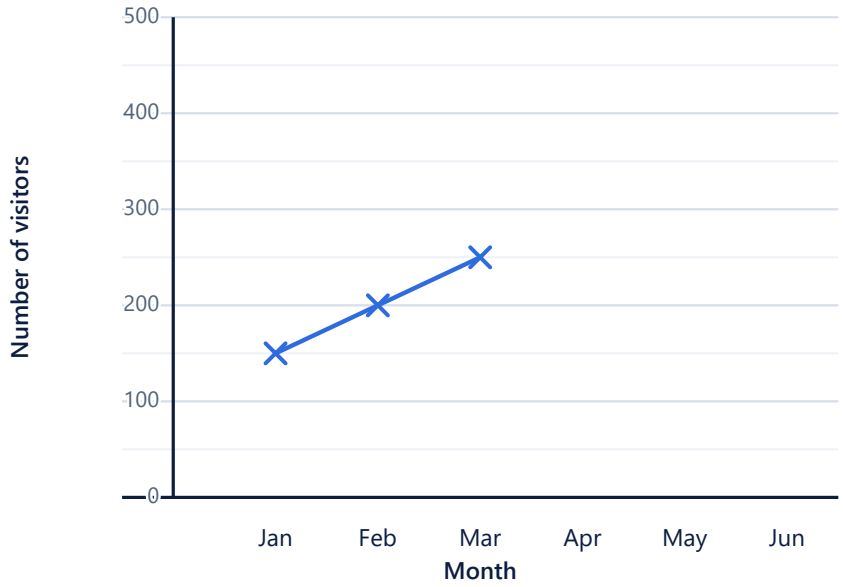
Month	Jan	Feb	Mar	Apr	May	Jun
Visitors	150	200	250	350	400	450

The first three points have been plotted on the line graph.

a. Complete the line graph. (2)

b. Describe the trend in the number of visitors. (1)

c. Between which two months was the increase in visitors the greatest? (1)



(4 marks)

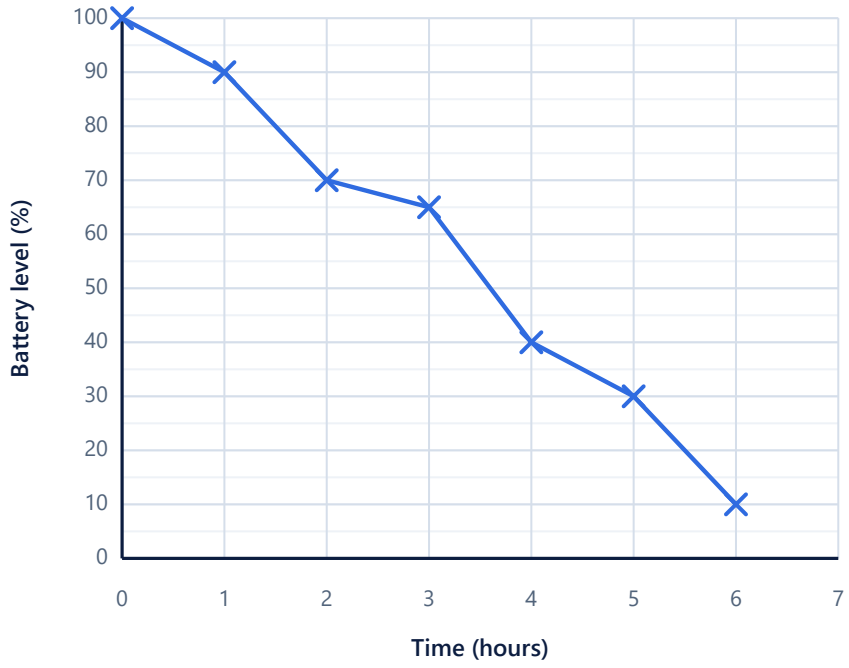
Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

4 Kai charges his phone to 100%. He then records the battery level every hour. The line graph shows his results.

a. Write down the battery level after 3 hours. (1)

b. In which hour did the battery level fall the most? (1)

c. Kai says, "My phone will have no battery left after 7 hours."
Does the graph support what Kai says? Give a reason for your answer. (2)



(4 marks)

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

5 The line graph shows the number of members of a chess club at the start of each year from 2020 to 2024.

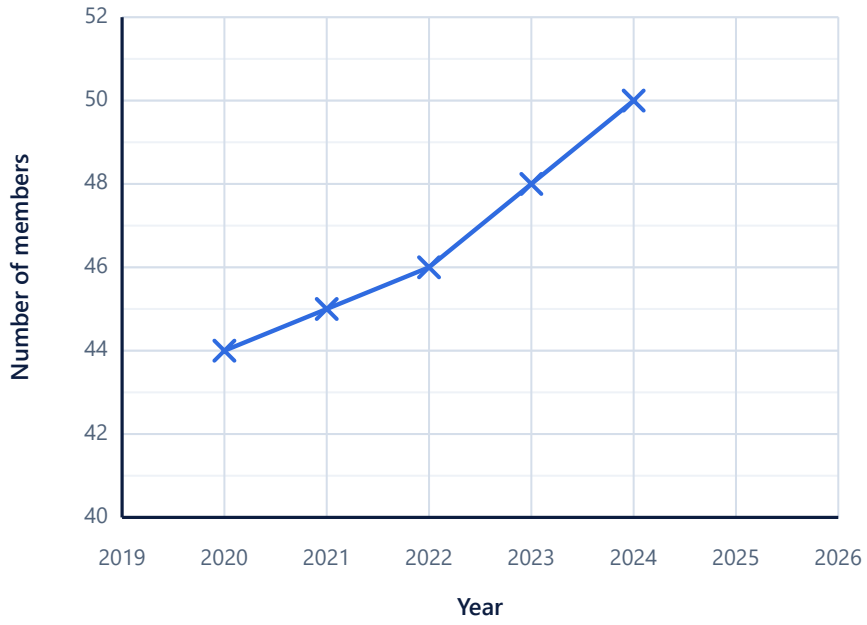
a. Write down the number of members in 2022. (1)

b. Work out the increase in the number of members from 2020 to 2024. (1)

c. In 2025 the club had 51 members. Plot this point and complete the line graph. (1)

d. Describe the trend in the number of members. (1)

e. The club puts this graph on a poster with the heading "Our membership has shot up!" Give one reason why the graph could be misleading. (1)



(5 marks)

End of questions | Total 20 marks

Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.