Bar charts

Grade 1 | Worked solutions

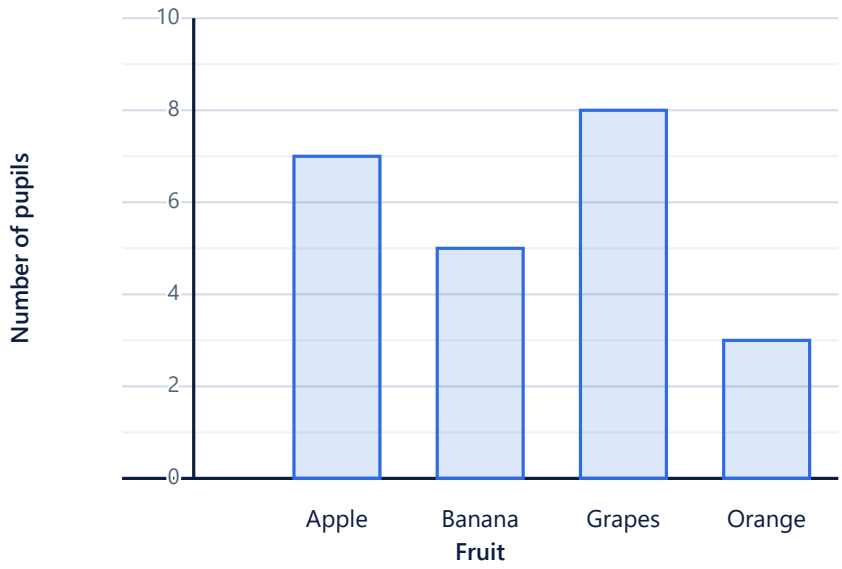
GCSE Statistics topic practice

1 The pupils in a class each chose their favourite fruit. The bar chart shows the results.

a. How many pupils chose banana? (1)

b. Write down the fruit that was chosen by the most pupils. (1)

c. Work out how many pupils are in the class. (1)



(3 marks)

a) the bar is halfway between 4 and 6

5 pupils

b) the tallest bar

Grapes

c) add the heights of the four bars

7 + 5 + 8 + 3 = 23

a) 5 b) Grapes c) 23

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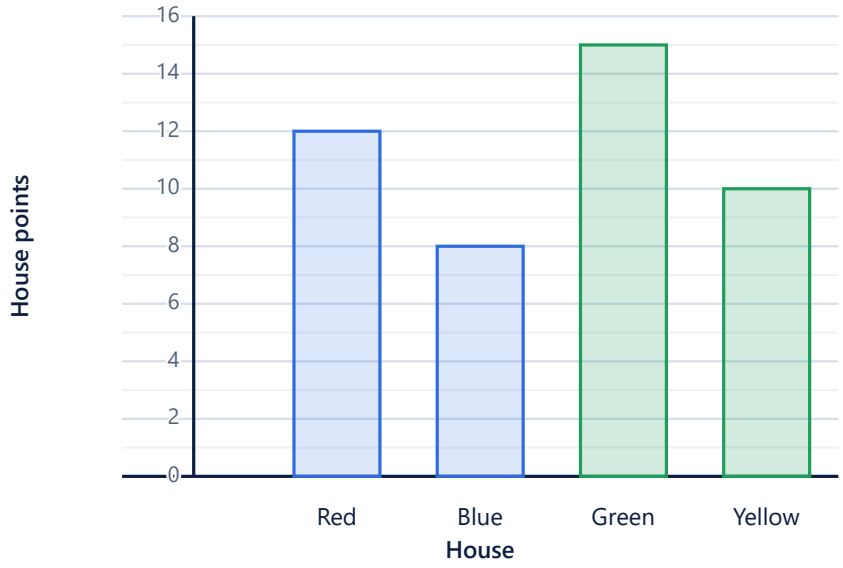
2 The table shows the number of house points won by four houses in one week.

House	Red	Blue	Green	Yellow
House points	12	8	15	10

a. Complete the bar chart to show this information. (2)

b. How many more house points did Green win than Blue? (1)

c. Write down the house that came second. (1)



(4 marks)

a)

Green bar up to 15, halfway between 14 and 16

Yellow bar up to 10

Same width as the other bars

b)

15 - 8 = 7

c) put the houses in order, highest first

15, 12, 10, 8

12 is second, so Red

a) Green to 15, Yellow to 10 b) 7 c) Red

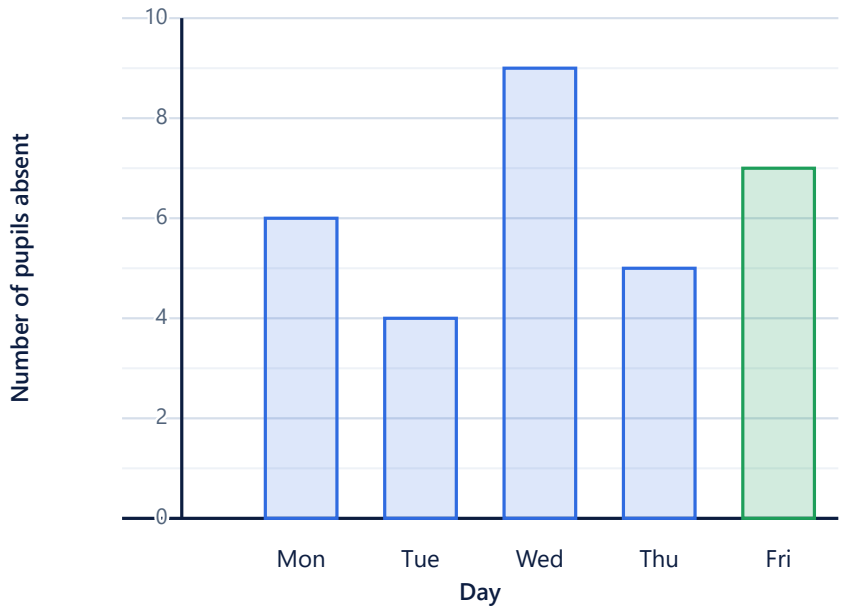
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3 The bar chart shows the number of pupils in Year 7 who were absent from school on each of four days.

a. How many pupils were absent on Wednesday? (1)

b. On Friday, 7 pupils were absent. Draw this bar on the bar chart. (1)

c. Tom says, "More than half of the absences in the week were on Wednesday and Friday."
Is Tom correct? You must show your working. (2)



(4 marks)

a) the bar is halfway between 8 and 10

9 pupils

b)

Draw the Friday bar up to 7

Same width as the other bars

c) total for the week

6 + 4 + 9 + 5 + 7 = 31

Wednesday and Friday

9 + 7 = 16

half of the total

31 ÷ 2 = 15.5

16 > 15.5

a) 9 b) bar to 7 c) Yes, Tom is correct

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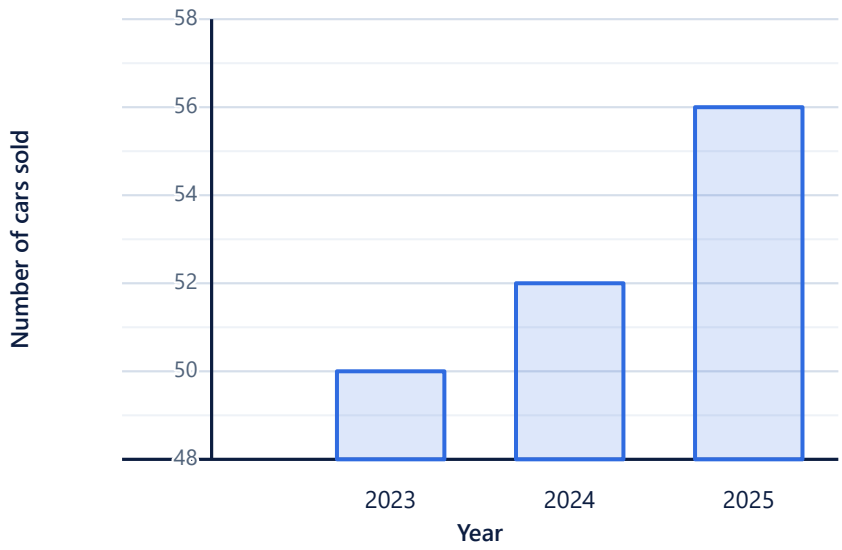
4 A garage draws this bar chart to show the number of cars it sold in each of three years.

a. How many cars did the garage sell in 2025? (1)

b. Work out the total number of cars sold in the three years. (1)

c. The owner says, "The chart shows we sold more than twice as many cars in 2025 as in 2023."
Explain why the owner is wrong. (1)

d. Give one reason why this bar chart is misleading. (1)



(4 marks)

a)

56 cars

b)

50 + 52 + 56 = 158

c) 2023 was 50 cars

2 x 50 = 100

56 is much less than 100

d)

The vertical scale does not start at 0

so the differences look bigger than they are

a) 56 b) 158 c) twice 50 is 100 d) scale does not start at 0

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5 A youth club sells four kinds of snack. The bar chart shows the number of each snack sold one evening.

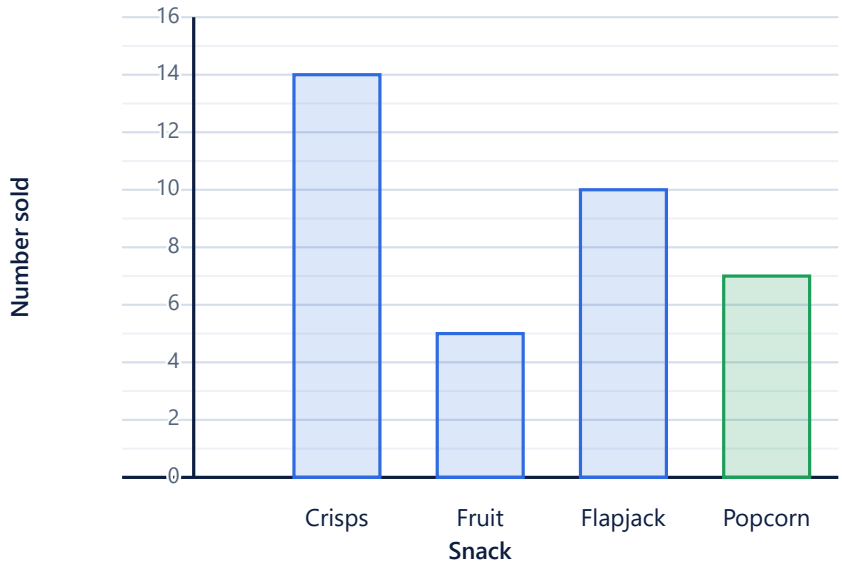
The bar for popcorn is missing.

The club sold 36 snacks in total.

a. Work out the number of bags of popcorn sold. (2)

b. Draw the bar for popcorn on the bar chart. (1)

c. Leah says, "More than one third of the snacks sold were crisps."
Is Leah correct? You must show your working. (2)



(5 marks)

a) read the three bars

14 + 5 + 10 = 29

36 - 29 = 7

b)

Draw the Popcorn bar up to 7

halfway between 6 and 8

c) one third of the total

36 ÷ 3 = 12

Crisps = 14

14 > 12

Yes, Leah is correct

a) 7 b) bar to 7 c) Yes, 14 is more than 12

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