



Name: _____ **Date:** _____ **Score:** _____ / 38

1 Here are seven numbers.

3 7 7 4 9 7 2

Write down the mode of these numbers.

(1 mark)

Answer _____

2 The stem and leaf diagram shows the masses, in grams, of some tomatoes.

Stem	Leaves
2	1 4 6
3	0 2 5 8
4	3 7

Key: 2 | 1 = 21 grams

Find the range of the masses.

(2 marks)

Answer _____

3 Here are five numbers.

3, 5, 8, 9, 12

Write down the median.

(1 mark)

Answer _____

4 Here are five numbers.

12 5 19 8 3

Work out the range of these numbers.

(1 mark)

Answer _____

5 Seven children have these ages.

12, 9, 15, 11, 9, 14, 10

Work out the median age.

(2 marks)

Answer _____

6 A shoe shop wants to know which size to order the most of. Here are the sizes of the shoes sold in one hour.

5, 6, 6, 7, 6, 5, 8, 6, 7

Which average should the shop use: mode, median or mean? Give your answer and work it out.

(2 marks)

Answer _____

7 Here are the scores of six players in a game.

6, 3, 8, 5, 9, 2

Work out the median score.

(2 marks)

Answer _____

8 A shoe shop records the sizes of the last eight pairs of trainers it sold.

5 7 6 5 8 5 9 6

a. Write down the modal shoe size.

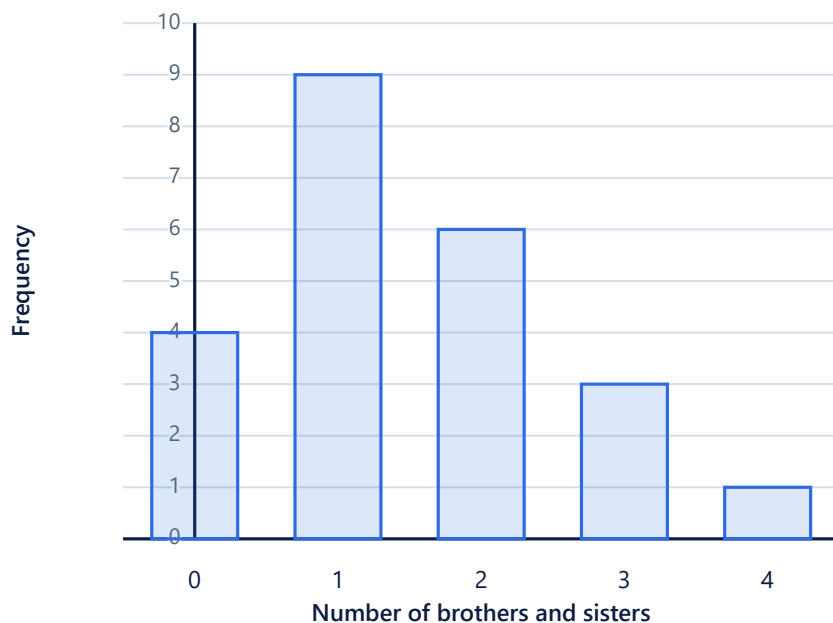
b. Work out the range of the shoe sizes.

(3 marks)

Answer _____

9 23 pupils were asked how many brothers and sisters they have. The bar chart shows the results.

- Write down the mode.
- Work out the median.
- Write down the range.



(4 marks)

Answer _____

10 20 pupils were asked how many goals they scored in one match. The table shows the results.

Goals	0	1	2	3	4
Number of pupils	4	6	5	3	2

- Write down the mode.
- Write down the range.
- Work out the median.

(4 marks)

Answer _____

11 Five friends write down how much money (in £) they have saved.

4, 5, 5, 6, 80

Zainab says, "The mean is the best average to show a typical amount."

- Work out the mean.
- Work out the median.
- Which average is better to show a typical amount? Give a reason.

(4 marks)

Answer _____

12 Ten cards each have a number written on them:

2 3 3 5 5 5 7 8 8 9

- Write down the mode of the numbers.
- One card is picked at random. Find the probability that the number on the card is greater than 7.

(3 marks)

Answer _____

13 Nine students in Year 7 and nine students in Year 11 ran a race. Here are their times, in seconds.

Year 7: 12 15 15 18 20 21 24 26 28

Year 11: 8 10 13 14 16 19 22 25 27

Compare the times of the Year 7 students with the times of the Year 11 students.

(4 marks)

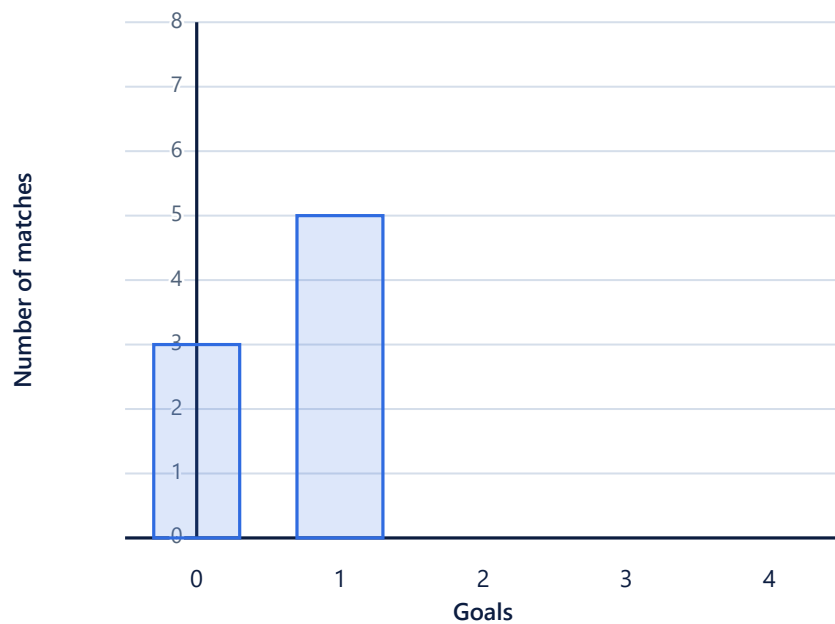
Answer _____

- 14 Some pupils counted the goals scored in each of 20 matches. The frequency table shows the results.

Goals	0	1	2	3	4
Number of matches	3	5	6	2	4

The bars for 0 goals and 1 goal are already drawn on the chart.

- Complete the bar chart.
- Write down the mode.
- Work out the median.
- Work out the range.



(5 marks)

Answer _____

End of questions | Total 38 marks