



Name: _____ **Date:** _____ **Score:** _____ / 37

- 1** Here are seven numbers.

3 7 7 4 9 7 2

Write down the mode of these numbers.

(1 mark)

Answer _____

- 2** Here are four numbers.

6 11 9 14

Work out the mean of these numbers.

(2 marks)

Answer _____

- 3** a. Find the median of these numbers.

14 9 21 11 17 9 12

- b. Here are the heights, in cm, of six pupils. Find the median height.

152 147 160 155 149 158

(3 marks)

Answer _____

- 4** 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 _____

- 5 A group of Year 7 pupils and a group of Year 8 pupils did the long jump.

	Median	Range
Year 7	2.9 m	1.2 m
Year 8	3.3 m	0.8 m

Make two comparisons between the long jumps of the two year groups.

(2 marks)

Answer _____

- 6 Seven friends write down how much pocket money they get each week.

£5 £8 £6 £10 £5 £7 £15

- Work out the mean, the median, the mode and the range.
- Which average best represents the pocket money of the friends? Give a reason for your answer.

(4 marks)

Answer _____

- 7 Here are the numbers of goals scored by Ayo and Ben in their last six football matches.

Ayo	2	1	3	2	2	2
Ben	0	5	1	4	0	2

- Work out the mean and the range for each player.
- The coach wants a player who scores steadily every match. Which player should she choose? Give a reason.

(4 marks)

Answer _____

- 8 The table shows the number of children in each of 20 families.

Number of children	Frequency
0	3
1	8
2	6
3	3

Work out the mean number of children per family.

(3 marks)

Answer _____

- 9 Freya plays six rounds of a quiz. Her mean score for the six rounds is 15.

Here are her scores for the first five rounds.

12 18 9 21 14

Work out her score in the sixth round.

(4 marks)

Answer _____

- 10 20 pupils each timed how long it took them to solve a puzzle.

Time (t seconds)	Frequency
$0 < t \leq 10$	3
$10 < t \leq 20$	8
$20 < t \leq 30$	6
$30 < t \leq 40$	3

- Write down the modal class.
- Work out an estimate for the mean time.
- Why is your answer to part (b) only an estimate?

(4 marks)

Answer _____

- 11** The table shows information about the time, t minutes, that 30 customers waited at a garage.

Time (t minutes)	Frequency
$0 < t \leq 10$	4
$10 < t \leq 20$	9
$20 < t \leq 30$	12
$30 < t \leq 40$	5

Work out an estimate for the mean waiting time.

(3 marks)

Answer _____

- 12**
- a. Three cards each have a whole number on them. The mode of the numbers is 5 and the mean is 6. Work out the three numbers.
- b. Three different cards each have a whole number on them. The median is 7, the range is 6 and the mean is 7. Work out the three numbers.

(4 marks)

Answer _____

End of questions | Total 37 marks