GCSE FOUNDATION · REVISION MAT 4

Frequency tables

1 Here are the numbers of people in each car.

3, 4, 3, 2, 5, 3, 4, 3, 1, 3
4, 2, 3, 5, 3, 4, 3, 2, 3, 4

Complete a frequency table for the data.

2 The table shows the number of people in each car.

Value	0	1	2	3	4
Frequency	5	11	8	4	2

(a) Write down the mode.

(b) Work out the range.

3 The table shows the number of people in each car.

Value	0	1	2	3	4
Frequency	5	11	8	4	2

Jon says the mode is 11.

Explain the mistake Jon has made.

4 The table shows the number of people in each car.

Value	0	1	2	3	4
Frequency	5	11	8	4	2

Show that the mean is 1.57, correct to 2 d.p.

5 The table shows some marks.

Mark	0–9	10–19	20–29	30–39	40–49
Frequency	12	8	5	3	2

(a) Write down the modal class.

(b) Which class contains the median?

6 24 people were asked a question. One frequency is missing.

Value	1	2	3	4
Frequency	7	6	?	5

(a) Find the missing frequency.

(b) Work out the mean.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 4

Frequency tables

1

Value	1	2	3	4	5
Frequency	**1**	**3**	**9**	**5**	**2**

2 (a) **1**

(b) 4 – 0 = **4**

3 11 is the highest frequency. The mode is the value with the highest frequency: **1**

4 Total = 0×5 + 1×11 + 2×8 + 3×4 + 4×2 = 47

47 ÷ 30 = **1.57** ✓

5 (a) **0–9**

(b) 30 values, the median is the 15.5th: **10–19**

6 (a) 24 – 18 = **6**

(b) 57 ÷ 24 = **2.38**