GCSE FOUNDATION · REVISION MAT 2

Frequency tables

1 Here are the numbers of pets each student owns.

0, 1, 1, 2, 0, 3, 1, 2, 1, 0
1, 4, 2, 1, 3, 1, 0, 2, 1, 1

Complete a frequency table for the data.

2 The table shows the number of pets each student owns.

Value	1	2	3	4	5
Frequency	4	10	8	6	2

(a) Write down the mode.

(b) Work out the range.

3 The table shows the number of pets each student owns.

Value	1	2	3	4	5
Frequency	4	10	8	6	2

Hal says the mode is 10.

Explain the mistake Hal has made.

4 The table shows the number of pets each student owns.

Value	1	2	3	4	5
Frequency	4	10	8	6	2

Show that the mean is 2.73, correct to 2 d.p.

5 The table shows some marks.

Mark	0–4	5–9	10–14	15–19	20–24
Frequency	6	13	9	8	4

(a) Write down the modal class.

(b) Which class contains the median?

6 25 people were asked a question. One frequency is missing.

Value	0	1	2	3
Frequency	4	9	?	2

(a) Find the missing frequency.

(b) Work out the mean.

Mr&Mrs MATHS

1

Value	0	1	2	3	4
Frequency	4	9	4	2	1

2 (a) **2**

(b) 5 – 1 = **4**

3 10 is the highest frequency. The mode is the value with the highest frequency: **2**

ANSWERS · REVISION MAT 2

Frequency tables

4 Total = 1×4 + 2×10 + 3×8 + 4×6 + 5×2 = 82

82 ÷ 30 = **2.73** ✓

5 (a) **5–9**

(b) 40 values, the median is the 20.5th: **10–14**

6 (a) 25 – 15 = **10**

(b) 35 ÷ 25 = **1.4**