GCSE FOUNDATION · REVISION MAT 3

Frequency tables

1 Here are the numbers of hours of homework.

5, 6, 4, 6, 7, 5, 6, 8, 6, 5
7, 6, 4, 6, 5, 7, 6, 8, 6, 5

Complete a frequency table for the data.

2 The table shows the number of hours of homework.

Value	10	11	12	13	14
Frequency	3	9	7	6	5

(a) Write down the mode.

(b) Work out the range.

3 The table shows the number of hours of homework.

Value	10	11	12	13	14
Frequency	3	9	7	6	5

Isa says the mode is 9.

Explain the mistake Isa has made.

4 The table shows the number of hours of homework.

Value	10	11	12	13	14
Frequency	3	9	7	6	5

Show that the mean is 12.03, correct to 2 d.p.

5 The table shows some marks.

Mark	50–59	60–69	70–79	80–89	90–99
Frequency	3	8	14	9	6

(a) Write down the modal class.

(b) Which class contains the median?

6 28 people were asked a question. One frequency is missing.

Value	5	6	7	8
Frequency	3	?	10	6

(a) Find the missing frequency.

(b) Work out the mean.

Mr&Mrs MATHS

1

Value	4	5	6	7	8
Frequency	**2**	**5**	**8**	**3**	**2**

2 (a) **11**

(b) 14 – 10 = **4**

3 9 is the highest frequency. The mode is the value with the highest frequency: **11**

ANSWERS · REVISION MAT 3

Frequency tables

4 Total =

10×3 + 11×9 + 12×7 + 13×6 + 14×5 = 361

361 ÷ 30 = **12.03** ✓

5 (a) **70–79**

(b) 40 values, the median is the 20.5th: **70–79**

6 (a) 28 – 19 = **9**

(b) 187 ÷ 28 = **6.68**