GCSE FOUNDATION · REVISION MAT 1

Frequency tables

1 Here are the numbers of goals scored in each match.

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

Complete a frequency table for the data.

2 The table shows the number of goals scored in each match.

Value	0	1	2	3	4
Frequency	7	12	9	5	2

(a) Write down the mode.

(b) Work out the range.

3 The table shows the number of goals scored in each match.

Value	0	1	2	3	4
Frequency	7	12	9	5	2

Gia says the mode is 12.

Explain the mistake Gia has made.

4 The table shows the number of goals scored in each match.

Value	0	1	2	3	4
Frequency	7	12	9	5	2

Show that the mean is 1.51, correct to 2 d.p.

5 The table shows some marks.

Mark	0–9	10–19	20–29	30–39	40–49
Frequency	4	11	15	7	3

(a) Write down the modal class.

(b) Which class contains the median?

6 30 people were asked a question. One frequency is missing.

Value	1	2	3	4
Frequency	5	?	8	3

(a) Find the missing frequency.

(b) Work out the mean.

ANSWERS · REVISION MAT 1

Frequency tables

1

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

2 (a) **1**

(b) 4 – 0 = **4**

3 12 is the highest frequency. The mode is the value with the highest frequency: **1**

4 Total = 0×7 + 1×12 + 2×9 + 3×5 + 4×2 = 53

53 ÷ 35 = **1.51** ✓

5 (a) **20–29**

(b) 40 values, the median is the 20.5th: **20–29**

6 (a) 30 – 16 = **14**

(b) 69 ÷ 30 = **2.3**