GCSE FOUNDATION · REVISION MAT 5

Averages

1 Here are some numbers.

5, 9, 5, 8, 3, 5, 12

Find

(a) the mode (b) the median (c) the mean

2 Find the median of these numbers.

13, 9, 17, 11, 20, 8

3 Nia says the median of 40, 34, 46, 38, 35 is 46, because it is in the middle.

Explain the mistake Nia has made.

4 The mean of 6 numbers is 9.

5 of the numbers are 7, 12, 5, 10, 8

Show that the missing number is 12.

5 The mean of Sam's first 9 test scores is 61.

After one more test, his mean is 63.

What did Sam score in the last test?

6 Here are the darts scores.

Mia: 22, 25, 24, 23, 26

Zoe: 18, 30, 27, 19, 31

Compare the two sets of data.
Use the mean and the range.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 5

Averages

1 (a) **5**

(b) ordered: 3, 5, 5, 5, 8, 9, 12
median = **5**

(c) 47 ÷ 7 = **6.71**

2 Ordered: 8, 9, 11, 13, 17, 20

Median = **12**

3 The numbers must be put in order first: 34, 35, 38, 40, 46

Median = **38**

4 Total = 6 × 9 = 54

54 − 42 = **12** ✓

5 Total before: 9 × 61 = 549
Total after: 10 × 63 = 630

Last test = **81**

6 Mia: mean 24, range 4
Zoe: mean 25, range 13

Zoe has the higher mean; **Mia** is more consistent (smaller range).