GCSE FOUNDATION · REVISION MAT 1

Averages

1 Here are some numbers.

4, 7, 3, 7, 9, 2, 7, 5

Find

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

2 Find the median of these numbers.

8, 3, 11, 6, 9, 14

3 Jo says the median of 7, 3, 9, 4, 6 is 9, because it is in the middle.

Explain the mistake Jo has made.

4 The mean of 5 numbers is 8.

4 of the numbers are 6, 9, 4, 10

Show that the missing number is 11.

5 The mean of Sam's first 6 test scores is 72.

After one more test, his mean is 74.

What did Sam score in the last test?

6 Here are the goals scored in 5 matches.

Team A: 12, 15, 14, 13, 16
Team B: 8, 21, 17, 9, 20

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

Mr&Mrs MATHS

ANSWERS · REVISION MAT 1

Averages

1 (a) **7**

(b) ordered: 2, 3, 4, 5, 7, 7, 7, 9

median = **6**

(c) 44 ÷ 8 = **5.5**

2 Ordered: 3, 6, 8, 9, 11, 14

Median = **8.5**

3 The numbers must be put in order first: 3, 4, 6, 7, 9

Median = **6**

4 Total = 5 × 8 = 40

40 − 29 = **11** ✓

5 Total before: 6 × 72 = 432

Total after: 7 × 74 = 518

Last test = **86**

6 Team A: mean 14, range 4

Team B: mean 15, range 13

Team B has the higher mean; **Team A** is more consistent (smaller range).