GCSE FOUNDATION · REVISION MAT 2

Averages

1 Here are some numbers.

12, 15, 11, 15, 18, 10, 15

Find

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

2 Find the median of these numbers.

23, 17, 30, 19, 26, 21

3 Kai says the median of 12, 8, 15, 10, 9 is 15, because it is in the middle.

Explain the mistake Kai has made.

4 The mean of 6 numbers is 12.

5 of the numbers are 10, 15, 8, 14, 11

Show that the missing number is 14.

5 The mean of Sam's first 5 test scores is 64.

After one more test, his mean is 66.

What did Sam score in the last test?

6 Here are the customers each hour.

Shop A: 45, 52, 48, 50, 47
Shop B: 38, 60, 55, 41, 58

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

Mr&Mrs MATHS

ANSWERS · REVISION MAT 2

Averages

1 (a) **15**

(b) ordered: 10, 11, 12, 15, 15, 15, 18
median = **15**

(c) 96 ÷ 7 = **13.71**

2 Ordered: 17, 19, 21, 23, 26, 30

Median = **22**

3 The numbers must be put in order first: 8, 9, 10, 12, 15

Median = **10**

4 Total = 6 × 12 = 72

72 − 58 = **14** ✓

5 Total before: 5 × 64 = 320
Total after: 6 × 66 = 396

Last test = **76**

6 Shop A: mean 48.4, range 7
Shop B: mean 50.4, range 22

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