GCSE FOUNDATION · REVISION MAT 5

Range and spread

1 Work out the range of these numbers.

56, 62, 49, 71, 58

2 Here are some numbers.

22, 25, 24, 90, 23, 26, 21

(a) Which number is an outlier?

(b) Work out the range without the outlier.

3 Ian and Jo both have a mean of 7.5 times (s).
Ian's range is 2. Jo's range is 6.

Explain what the ranges tell you.

4 The range of four numbers is 18. The smallest number is 104.

Three of the numbers are 110, 115, 108

Show that the fourth number is 122.

5

	Median	Range
Team A	3.2	4
Team B	2.6	2

Write two comparisons between the two groups.

6 Four whole numbers have mode 10, median 11, mean 12 and range 6.

Find the four numbers.

1 71 – 49 = **22**

2 (a) **90**

(b) 26 – 21 = **5**

3 **Ian** has the smaller range, so is **more consistent**.
The other player's results are more spread out.

ANSWERS · REVISION MAT 5

Range and spread

4 Largest = 104 + 18 = **122** ✓

(It must be the largest, since none of the others is 122.)

5 **Team A** has the higher median, so higher on average.

Team B has the smaller range, so is more consistent.

6 Two numbers are 10 (mode); median 11 gives the third: 12

Range 6 gives the largest: 16

10, 10, 12, 16 (total 48 = 4 × 12 ✓)

Mr&Mrs MATHS