GCSE FOUNDATION · REVISION MAT 2

Range and spread

1 Work out the range of these numbers.

3.5, 2.8, 4.1, 3.2, 2.9

2 Here are some numbers.

3, 45, 41, 47, 44, 40, 43

(a) Which number is an outlier?

(b) Work out the range without the outlier.

3 Cal and Dee both have a mean of 64 test scores.
Cal's range is 6. Dee's range is 20.

Explain what the ranges tell you.

4 The range of four numbers is 24. The smallest number is 31.

Three of the numbers are 40, 52, 37

Show that the fourth number is 55.

5

	Median	Range
Group 1	12.4	3.1
Group 2	13.8	6.2

Write two comparisons between the two groups.

6 Four whole numbers have mode 3, median 4, mean 5 and range 6.

Find the four numbers.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 2

Range and spread

1 4.1 − 2.8 = **1.3**

2 (a) **3**

(b) 47 − 40 = **7**

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

4 Largest = 31 + 24 = **55** ✓

(It must be the largest, since none of the others is 55.)

5 **Group 2** has the higher median, so higher on average.

Group 1 has the smaller range, so is more consistent.

6 Two numbers are 3 (mode); median 4 gives the third: 5

Range 6 gives the largest: 9

3, 3, 5, 9 (total 20 = 4 × 5 ✓)