GCSE FOUNDATION · REVISION MAT 1

Range and spread

1 Work out the range of these numbers.

14, 8, 21, 17, 9, 12

2 Here are some numbers.

12, 15, 14, 13, 61, 16, 11

(a) Which number is an outlier?

(b) Work out the range without the outlier.

3 Amy and Bea both have a mean of 18 points per game.
Amy's range is 4. Bea's range is 15.

Explain what the ranges tell you.

4 The range of four numbers is 15. The smallest number is 8.

Three of the numbers are 12, 19, 10

Show that the fourth number is 23.

5

	Median	Range
Class A	64	22
Class B	58	35

Write two comparisons between the two groups.

6 Four whole numbers have

mode 5, median 6, mean 7 and range 6.

Find the four numbers.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 1

Range and spread

1 21 – 8 = **13**

2 (a) **61**

(b) 16 – 11 = **5**

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

4 Largest = 8 + 15 = **23** ✓

(It must be the largest, since none of the others is 23.)

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

Class A has the smaller range, so is more consistent.

6 Two numbers are 5 (mode); median 6 gives the third: 7

Range 6 gives the largest: 11

5, 5, 7, 11 (total 28 = 4 × 7 ✓)