

STATISTICS

Name: _____

Assessment Criteria: Understand and use the mode and range to describe sets of data

- 1) Three numbers sum to 15. The mode of the three numbers is 1. What must the three numbers be?

_____, _____ and _____

- 2) Three numbers have a mode of 5 and a total of 11. What is the range of the three numbers?

- 3) Give an example of a set of five numbers where the mode is 7

_____, _____, _____, _____, _____

- 4) Give an example of a set of 5 numbers where the mode is 6 and the range is 10.

_____, _____, _____, _____, _____

- 5) The list below shows the shoe sizes of a class of Year 7 pupils. Organise the information so you can find the mode and the range.

$3\frac{1}{2}$	$4\frac{1}{2}$	3	$5\frac{1}{2}$	4	4	$3\frac{1}{2}$	5	2	3
$1\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{2}$	4	3	5	3	$4\frac{1}{2}$	$2\frac{1}{2}$	2
2	3	$4\frac{1}{2}$	$2\frac{1}{2}$	$4\frac{1}{2}$	6	1	$1\frac{1}{2}$	$2\frac{1}{2}$	4

Mode: _____

Range: _____

6) Below is a list of shoe sizes from a group of adults. If you find the mode, what might the answer be telling you about who was in the survey?

8	4	5½	6	9	9	5½	8½	6	9
12	3	3½	11	9	10	10½	6	5	4
5½	6	9	6	7	7	8	4	4½	3
11	4½	3½	7½	9	6	7	6	9	5

Overall, I think my success level is:

Low High

Q	STATISTICS	😊	☹
	I understand the meaning of the mode		
	I understand the meaning of the range		
	I can use the mode to describe a set of data		
	I can use the range to describe a set of data		
	<i>I can search for a solution by trying out ideas of my own</i>		
	<i>I can use my own strategies within mathematics</i>		

I need to practise ...