



Averages and The Range



SCAN ME

REVISE THIS TOPIC

CHECK YOUR ANSWERS

SCAN ME

1 Here is a list of numbers.



2 3 3 6 7 10 11

1 (a) Write down the mode

[1 mark]

Answer _____

1 (b) Work out the range

[1 mark]

Answer _____

1 (c) Work out the median

[2 marks]

Answer _____

1 (d) Work out the mean

[2 marks]

Answer _____





2 Here is a list of numbers.

6 10 8 10 4 4 3 10 8

2 (a) Write down the mode [1 mark]

Answer _____

2 (b) Work out the range [1 mark]

Answer _____

2 (c) Work out the median [2 marks]

Answer _____

2 (d) Work out the mean [2 marks]

Answer _____





3 Here is a list of numbers.

10 6 1 9 7 9

3 (a) Write down the mode [1 mark]

Answer _____

3 (b) Work out the range [1 mark]

Answer _____

3 (c) Work out the median [2 marks]

Answer _____

3 (d) Work out the mean [2 marks]

Answer _____

$\frac{\quad}{12}$

Turn over ►





4 Here is a list of numbers.

7 13 16 23 6 12 16 11

4 (a) Write down the mode [1 mark]

Answer _____

4 (b) Work out the range [1 mark]

Answer _____

4 (c) Work out the median [2 marks]

Answer _____

4 (d) Work out the mean [2 marks]

Answer _____





5 Here is a list of numbers.

37 44 49 55 55 60

5 (a) Write down the mode [1 mark]

Answer _____

5 (b) Work out the range [1 mark]

Answer _____

5 (c) Work out the median [2 marks]

Answer _____

5 (d) Work out the mean [2 marks]

Answer _____

$\frac{\quad}{12}$

Turn over ►





6 Here is a list of numbers.

-5 -4 0 4 4 13

6 (a) Write down the mode [1 mark]

Answer _____

6 (b) Work out the range [1 mark]

Answer _____

6 (c) Work out the median [2 marks]

Answer _____

6 (d) Work out the mean [2 marks]

Answer _____





7 Here is a list of numbers.

4 -8 3 -8 8 -10 -3

7 (a) Write down the mode [1 mark]

Answer _____

7 (b) Work out the range [1 mark]

Answer _____

7 (c) Work out the median [2 marks]

Answer _____

7 (d) Work out the mean [2 marks]

Answer _____

Turn over ►





8 Here is a list of numbers.

1 6 3 9 7 13 10

Caleb works out the median.
His working is shown below.

~~1~~ ~~6~~ ~~3~~ 9 ~~7~~ ~~13~~ ~~10~~

median = 9

Caleb's answer is incorrect.
Explain the mistake that he has made.

[1 mark]

9 Here is a list of numbers.

3 5 7 10 15

Phil works out the mean.
His working is shown below.

$$3 + 5 + 7 + 10 + 15 \div 5 = 28$$

mean = 28

Phil's answer is incorrect.
Explain the mistake that he has made.

[1 mark]





10 Here is a list of numbers.

6 4 8 17 13 20 26

Tina works out the range.
Her working is shown below.

$$26 - 6 = 20$$

$$\text{range} = 20$$

Tina's answer is incorrect.
Explain the mistake that she has made.

[1 mark]

11 Here is a list of letters

A B B A C C A B C C

Write down the mode

[1 mark]

Answer _____

12 The range of a set of number is 9.
The smallest number is 4.

Work out the largest number.

[1 mark]

Answer _____

$\frac{1}{5}$

Turn over ►





13 The table shows the maths test scores of five students.

Jason	Zach	Billy	Trini	Kimberley
48%	68%	73%	77%	69%

13 (a) Work out the range of the maths test scores. [1 mark]

Answer _____ %

Zach says *“my test score was above the average”*

13 (b) Show that when using the **mean** average, Zach is correct. [2 marks]

13 (c) Show that when using the **median** average, Zach is incorrect. [2 marks]

