



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

(a) Write down the mode

.....
(1)

(b) Work out the range

.....
(1)

(c) Work out the median

.....
(2)

(d) Work out the mean

.....
(2)

(Total for Question 1 is 6 marks)





2 Here is a list of numbers.

6 10 8 10 4 4 3 10 8

(a) Write down the mode

.....
(1)

(b) Work out the range

.....
(1)

(c) Work out the median

.....
(2)

(d) Work out the mean

.....
(2)

(Total for Question 2 is 6 marks)





3 Here is a list of numbers.

10 6 1 9 7 9

(a) Write down the mode

.....
(1)

(b) Work out the range

.....
(1)

(c) Work out the median

.....
(2)

(d) Work out the mean

.....
(2)

(Total for Question 3 is 6 marks)



4 Here is a list of numbers.

7 13 16 23 6 12 16 11

(a) Write down the mode

.....
(1)

(b) Work out the range

.....
(1)

(c) Work out the median

.....
(2)

(d) Work out the mean

.....
(2)

(Total for Question 4 is 6 marks)



5 Here is a list of numbers.

37 44 49 55 55 60

(a) Write down the mode

.....
(1)

(b) Work out the range

.....
(1)

(c) Work out the median

.....
(2)

(d) Work out the mean

.....
(2)

(Total for Question 5 is 6 marks)



6 Here is a list of numbers.

-5 -4 0 4 4 13

(a) Write down the mode

.....
(1)

(b) Work out the range

.....
(1)

(c) Work out the median

.....
(2)

(d) Work out the mean

.....
(2)

(Total for Question 6 is 6 marks)



7 Here is a list of numbers.

4 -8 3 -8 8 -10 -3

(a) Write down the mode

.....
(1)

(b) Work out the range

.....
(1)

(c) Work out the median

.....
(2)

(d) Work out the mean

.....
(2)

(Total for Question 7 is 6 marks)



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.

.....

.....

.....

(Total for Question 8 is 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.

.....

.....

.....

(Total for Question 9 is 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.

.....

.....

.....

(Total for Question 10 is 1 mark)

11 Here is a list of letters.

A B B A C C A B C C

Write down the mode

.....

(Total for Question 11 is 1 mark)

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

Work out the largest number.

.....

(Total for Question 12 is 1 mark)



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

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

(a) Work out the range of the maths test scores.

..... %
(1)

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

(b) Show that when using the **mean** average, Zach is correct.

(2)

(c) Show that when using the **median** average, Zach is incorrect.

(2)

(Total for Question 13 is 5 marks)

