

Mean, Median, Mode and Range

November 2023 Paper 1

1 Here is a list of numbers.

2 4 4 7 8

Work out the range of these numbers.

.....
(Total for Question 1 is 1 mark)

June 2022 Paper 2

3 Here is a list of numbers.

3 3 3 3 4 4 5 7 8

Write down the mode of the numbers.

.....
(Total for Question 3 is 1 mark)

November 2024 Paper 2

7 Here are the ages, in years, of 8 children.

14 10 10 13 15 9 15 10

(a) Work out the mean age.

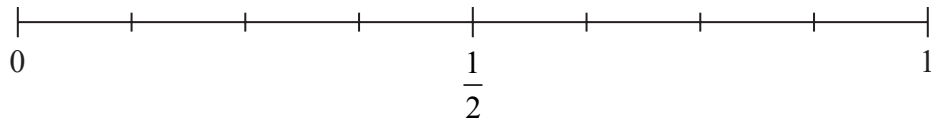
..... years
(2)

(b) Work out the range of the ages.

..... years
(2)

One of the children is chosen at random.

(c) On the probability scale below, mark with a cross (×) the probability that this child has an age of 15



(1)

(Total for Question 7 is 5 marks)

November 2022 Paper 3

- 8 Four students play a game.
The table shows the number of points each student has.

Student	Ali	Barbara	Calliope	Danesh
Number of points	143	121	45	19

Barbara has more points than Danesh.

- (a) How many more?

.....
(1)

- (b) Work out the mean number of points.

.....
(2)

(Total for Question 8 is 3 marks)

June 2023 Paper 1

12 Here are 6 numbers.

13 5 4 9 3 8

Work out the mean.

.....
(Total for Question 12 is 2 marks)

June 2022 Paper 3

14 Here is the shoe size of each of 12 boys in a class.

4 5 6 6 6 7 7 8 8 8 8 9

(a) Find the median.

.....
(1)

(b) Work out the range.

.....
(1)

For the shoe sizes of each of 12 girls in the class,

the median size is 6

the range is 3

(c) Compare the distribution of the shoe sizes of the boys with the distribution of the shoe sizes of the girls.

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
(2)

(Total for Question 14 is 4 marks)

June 2023 Paper 2

17 There are 3 cinemas **A**, **B** and **C**.

The mean number of seats per cinema is 380

There are 350 seats in cinema **A**.

There are 250 seats in cinema **B**.

Work out the number of seats in cinema **C**.

.....

(Total for Question 17 is 4 marks)

June 2022 Paper 2

18 This sign was in a doctor's waiting room.

115 appointments were missed last month.
These missed appointments were a total of 25.3 hours.

Work out the mean length of time for each missed appointment.
Give your answer in minutes.

..... minutes

(Total for Question 18 is 3 marks)

June 2020 Paper 3

20 Akhtar, Ben and Carl each have some money.

Akhtar has £65

Ben has £100

Carl has three £5 notes, one £20 note and some £10 notes.

The mean amount of money per person is £80

How many £10 notes does Carl have?

.....
(Total for Question 20 is 4 marks)

November 2023 Paper 1

21 The mean length of 5 sticks is 4.2 cm.

Nawal measured the length of one of the sticks as 7 cm.

(a) Work out the mean length of the other 4 sticks.

..... cm
(3)

Nawal made a mistake.
The stick was not 7 cm long.
It was 17 cm long.

(b) How does this affect your answer to part (a)?

.....
.....
.....
(1)

(Total for Question 21 is 4 marks)

November 2022 Paper 3

28 There are 30 women and 20 men at a gym.

The mean height of all 50 people is 167.6 cm

The mean height of the 20 men is 182 cm

Work out the mean height of the 30 women.

..... cm

(Total for Question 28 is 3 marks)