

AQA, OCR, Edexcel

GCSE

GCSE Maths

Mean, Median, Mode and IQR
Answers

Name:

M

M

E

Mathsmadeeasy.co.uk

Total Marks: /20

Mean, Median, Mode, Range and IQR

1. For the following list of numbers, 1, 2, -2, 0, 1, 8, 3, -3, 2, 4, -2, 2 find the:

- a) Range = 11
- b) Mode = 2
- c) Median = 1.5
- d) Mean = 1.33
- e) Interquartile range = 5

(6 marks)

2. There is a list of 12 numbers ranging from 1 to 100, they have an interquartile range of 5. What does this tell you about the spread of the data?

(2 marks)

- The data is very close together even though it has a large range.

3. A dice is rolled 6 times and lands on a different number each time. What is the:

- a) Mean score achieved = 3.5
- b) Median score = 3.5
- c) Mode *all the numbers 1,2,3,4,5,6*
- d) What is the range = 5

(4 marks)

4. Write down a list of 6 numbers where the mean is 0, the mode is 1 and the range is 3.

- Any 6 numbers that satisfy the question e.g. -2,-1,0,1,1,1

(3 marks)

5. Write down 8 numbers, 1 to 8, and demonstrate how to calculate the interquartile range

1,2,3,4,5,6,7,8

LQ = 2.5

UQ = 6.5

IQR = 6.5 - 2.5

= 4

(5 marks)