

Q Averages, Quartiles and the Range

- 5 This is a list of test grades.

7 7 5 3 4 3 3 7 1 7 2 7

- (a) Find the mode.

..... [1]

- (b) Find the range.

..... [1]

- 7 These are the scores of 10 students in a test.

15 5 20 25 7 13 15 11 17 12

Find

- (a) the range,

..... [1]

- (b) the mean.

..... [2]

- 3 (a) Zoe's test scores last term were 6 7 7 7 8 9 9 10 10.

Find

- (i) the range,

..... [1]

- (ii) the mode,

..... [1]

- (iii) the median.

..... [1]

- 1** These are the scores of 10 students in a test.

7 15 9 4 16 6 8 11 12 10

Find

- (a)** the median,

..... [2]

- (b)** the mean.

..... [2]

- 8** Daryl records the number of hours in a week 8 people spend exercising.

5 2 1.5 3 18 4.5 2 4

- (a)** Find the median.

..... h [2]

- (b)** Explain why the mean may not be a suitable average to use.

..... [1]

- 4 The mean mass of four men in a rowing team is 97.5 kg.
The modal mass is 101 kg.
The range of the masses is 8 kg.

Find the mass of each of the four men.

..... kg , kg , kg, kg [3]

- 14 The range, mode, median and mean of five positive integers are all equal to 10.

Find one possible set of these five integers.

..... , , , [4]

- 4 Write down an expression for the range of k consecutive integers.

..... [1]