

Q1. Calculate the mean and median of the following sets of data:

(a) 3, 2, 4, 7, 4, 10, 5

(b) -1, 2, 7, 15, 8, 34, 3, 28

Q2. A dice is rolled. What is the probability of rolling:

- a) An even number
- b) 5 or more
- c) a factor of 12



Q3. John has 8 blue socks, 3 mustard socks and 12 black socks in his drawer, what is the probability that John will reach into the drawer and pull out a blue sock?

Q4. Given a deck of cards (without jokers), which has the greater probability?

- (a) An Ace
- (b) A red three

Give a reason for your answer



Q5. The list of numbers below shows the marks obtained by a group of students in their maths exam.

62   73   80   54   41   81   94   63   78   67   50   91   73   53

- a) Work out the value of the median and the quartiles.
- b) Calculate the inter-quartile range and semi inter-quartile range.
- c) The same group of students had a second maths test and got a median score of 73 and a semi – interquartile range of 5. Make 2 comments about the students' scores in the first test compared with the second.