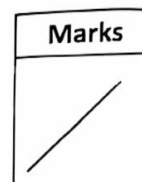


Section Quiz 11.1 – 11.3



Name: _____ Class: _____ ()

1. Ben pays \$684 for n books and the mean price of these books is \$76. Find the value of n .
(2 marks)

2. The mean of six numbers 4, n , 5, 9, 10 and 6 is 7. Find the value of n .
(2 marks)

3. The following table shows the numbers of pets owned by S3A students.

Number of pets	0	1	2	3
Frequency	17	11	7	5

Find the mean number of pets owned by S3A students.
(2 marks)

4. The following table shows the waiting time of a group of bus passengers.

Waiting time (min)	1 – 5	6 – 10	11 – 15	16 – 20
Class mark (min)				
Frequency	6	11	8	5

- (a) Complete the above table.
(b) Find the mean waiting time of these passengers.

(4 marks)

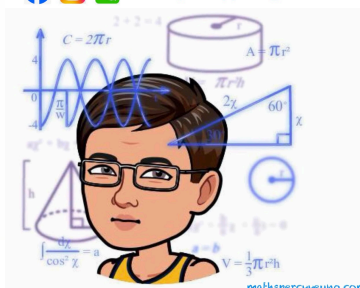
5. The following shows the heights (in m) of employees of two departments.

Department A: 1.62, 1.66, 1.78, 1.52

Department B: 1.72, 1.61, 1.62, 1.55, 1.70

- (a) Find the median height of employees of department A and department B respectively.
(b) Find the median height of employees of these two departments.

(4 marks)



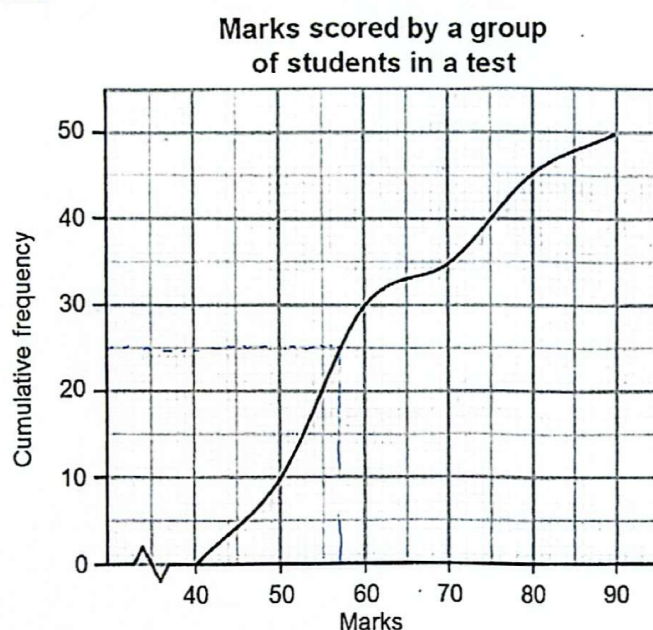
6. The following stem-and-leaf diagram shows the time (in min) that 20 students spent to get to school on a certain day.

Time that 20 students spent to get to school

Stem (10 min)	Leaf (1 min)
0	5 6 9
1	2 3 9 9
2	1 4 5 6 7
3	0 5 6 6
4	5 7 8 8

Find the median time that these students spent to get to school on that day. (2 marks)

7. The following cumulative frequency curve shows the marks scored by a group of students in a test.



- (a) Find the number of students in the group.
 (b) Find the median mark scored by the group of students.

8. Find the modes of the following sets of data. (4 marks)

- (a) 2, 3, 0, 0, 1, 1, 1, 0
 (b) -6, 8, -9, 10, -2, 7

9. The following table shows the waiting time (in min) for 100 customers in a restaurant.

Waiting time (min)	1 – 5	6 – 10	11 – 15	16 – 20	21 – 25
Frequency	14	27	25	27	7

Find the modal class of the waiting time for these 100 customers. (2 marks)

10. A data set of 6 integers 3, 4, a , 7, 8, b are arranged in ascending order. If the median and the mode of these integers are 6 and 8 respectively, find the values of a and b . (3 marks)