



MA 110 Quiz 10 **Answers**

Multiple Choice. Choose the one alternative that best completes the statement or answers the question. Put the **letter** of your answer in the box provided.

Table 1.1

Table 1.1 is a frequency table of scores of a group of students on a 10-point mathematics quiz.

Quiz Score	2	3	4	5	6	7	8	9	10
Number of Students	1	1	3	4	2	6	5	2	1
Running total	1	2	5	9	11	17	22	24	25

- C** 1. The total number of students taking the quiz is
- a. 9
 - e. 54
 - b. 10
 - f. 100
 - c. 25
 - g. 159
 - d. 30
 - h. 189

- E** 2. The average score on the quiz is
- a. 2.16
 - e. 6.36
 - b. 5
 - f. 6.5
 - c. 6
 - g. 7
 - d. 6.3
 - h. 7.5

Sum of scores /number =
159/25 = 6.36

- F** 3. The median score on the quiz is
- a. 5
 - e. 6.5
 - b. 6
 - f. 7
 - c. 6.3
 - g. 12.5
 - d. 6.36
 - h. 15

Position = $\lceil 25/2 \rceil = 13^{\text{th}}$
Median = 7

- J** 4. The third quartile on the quiz is
- a. 4
 - f. 6.25
 - b. 4.5
 - g. 6.5
 - c. 5
 - h. 7
 - d. 5.5
 - i. 7.5
 - e. 6
 - j. 8

Position = $\lceil 25/4 \rceil = 7^{\text{th}}$ from
top
 $Q_3 = 8$