



## Statistics: Mean, Mode, Median, Quartiles

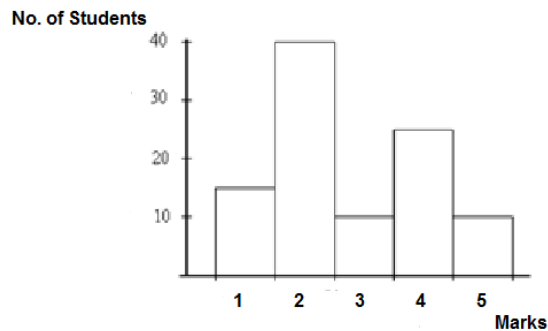
Name \_\_\_\_\_

Date \_\_\_\_\_

Instructions: Answer ALL questions.

**The histogram below shows the number of students who got a marks of 1 to 5 in a Math test.**

**Use this histogram for Questions 1 – 4.**



1. The number of students who wrote the test is approximately:  
A. 5 B. 40 C. 100 D. 27
2. The mode is:  
A. 80 B. 40 C. 5 D. 2
3. The mean mark is:  
A. 2.75 B. 8 C. 20 D. 55
4. The median mark is:  
A. 1 B. 2 C. 3 D. 4

**Jim asked 50 students how many hours (x) they spend on social media for the day. The results are summarized below:**

x	3	4.5	6	7	8.5	9
f	7	11	a	18	4	2

**Use the above frequency distribution table for Questions 5- 8**

5. The value of a is:  
A. 3 B. 5 C. 8 D. 10
6. The mode is:  
A. 2 B. 7 C. 9 D. 18
7. The mean mark is:  
A. 0.76 B. 5.93 C. 6.33 D. 8.33
8. The median is:  
A. 4.5 B. 6 C. 7 D. 8

**Use the raw data below for Questions 9 and 10:**

**{ 11, 9, 23, 4, 13, 7, 28 }**

9. The value of the first quartile Q1 is:  
A. 7 B. 9 C. 11 D. 23
10. The semi-interquartile range is:  
A. 4 B. 8 C. 16 D. 24

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