

Republic of the Philippines  
 Department of Education  
 Region IV - A CALABARZON  
 City Schools Division Office of Antipolo  
 District I-C  
**DELA PAZ NATIONAL HIGH SCHOOL**  
 Ninoy Aquino Avenue, Brgy. Dela Paz Antipolo City

**POST TEST**  
**Mathematics 7**  
**Measure of Central Tendency**

Direction: Read each item carefully and write your answer on the space before each number.

1. Which of the following is considered as the most stable and reliable measure of central tendency?  
 A. mean      B. median      C. mode      D. Range
2. Which of the following measure of central tendency that occur most often in a given set of data?  
 A. mean      B. median      C. mode      D. range
3. What is the mode of the following numbers? 12,11,14,10,8,13,11,9  
 A. 10      B. 11      C. 14      D. 12
4. What is the term used to describe the distribution of a data set with two modes?  
 A. bimodal      B. multimodal      C. nonmodal      D. unimodal
5. What is the median score achieved by a student who recorded the following scores on 10 Math quizzes? 25, 15, 18, 19, 20, 23, 16, 13, 9, 11?  
 A. 16      B. 17      C. 18      D. 19
6. Which of the following is the average of the lower class limit and upper class limit?  
 A. class size    B. class marks    C. class interval    D. class boundaries
7. The mean of four numbers is 71.5. If three numbers are 58, 76, and 88, what is the value of the fourth number?  
 A. 60      B. 64      C. 76      D. 82
8. If there is an even number of items in the data set, then the median is found by taking the mean (average) of the two middlemost numbers?  
 A. TRUE      B. FALSE      C. MAYBE      D. NONE
9. What letter represents the class size or interval?  
 A. a      B. e      C. i      D. o

For items nos. **10 – 14**, refer to the following data below:

Summative Test Result of Grade 8 Students

<b>Scores</b>	<b>Frequency (f)</b>	<b>Class Mark (x)</b>	<b>(fx)</b>
21 – 25	8	23	10) _____
16 – 20	9	11. _____	162
11 – 15	10	13	12. _____
6 – 10	7	13. _____	56
1 – 5	5	3	15
i = 5	$\sum f = 39$		$\sum (fx) = 547$

**14.** Mean ( $\bar{x}$ ) =  $\frac{\sum(fx)}{\sum f}$  =  $\frac{(e)}{=}$  \_\_\_\_\_

15. Which of the following measures is more appropriate for data which call for a nominal scale as a measure of popularity?  
A. mean      B. median      C. mode      D. range

16. If the range of a set of scores is 15 and the lowest score is 8, what is the highest score?  
A. 21      B. 22      C. 23      D. 24

17. Which of the following refers to the number of observations in each class interval and is usually represented by a tally?  
A. class mark      B. class size      C. class interval      D. class frequency

18. What is the formula used to find the mode of a grouped data?  
A.  $Mode \bar{x} = LLmo + \left( \frac{d_1}{d_1+d_2} \right) i$       C.  $Mode \bar{x} = LLmo + \left( \frac{d_2}{d_1+d_2} \right) i$   
B.  $Mode \bar{x} = LLmo + \left( \frac{d_1}{d_1+d_2} \right) x$       D.  $Mode \bar{x} = LL + \left( \frac{d_1}{d_1+d_2} \right) i$

19. What is the mean of 10,5,2,8,5 ?  
A. 2      B. 7      C. 9      D. 6

20. Find the median of the given data: 67,89,93,77,84?  
A. 84      B. 83      C. 85      D. 82