

**Direction:** Select the letter of the correct answer for each question below.

1) The mean final score of 10 previous games of the Los Angeles Lakers for this season is 89. Suppose that in the 11th game, the Lakers got a final score of 70 against the Denver Nuggets. What will be the new mean score of the Los Angeles Lakers? *Round your answer to the nearest whole number.*

- (a) 82
- (b) 84
- (c) 87
- (d) 88

2) Determine the mean of the first 100 positive counting numbers.

- (a) 50
- (b) 50.5
- (c) 51
- (d) 51.5

3) Residents of a small city were surveyed regarding their favorite musical genre. Shown below is the result of the survey.

Musical Genre	Frequency
Jazz	50
Pop	100
Classical Music	80
Reggae	50
OPM	100

Rock	150
------	-----

According to the given table above, what is the modal musical genre?

- (a) OPM
- (b) Jazz
- (c) Classical Music
- (d) Rock

4) Suppose we have a set of observations as shown below.

32, 48, 49, 122, 12, 15, 27, 33, 51, 78

Which of the following statements is/are true?

- (a) The median of the set is a number that is not included in the given observations
- (b) The mean of the observations is larger than their median
- (c) The given observation is multimodal
- (d) Both A and B

5) The mean of a set of observations is expressed as  $y$ . Suppose that each observation was increased by a real number  $x$ , which of the following expresses the new value of the mean?

- (a)  $y + x$
- (b)  $yx$
- (c)  $y/x$
- (d)  $y^x$