Question One (5-Points)
Write True if the statement is true or False if not:

1. None of the central tendency measures can be used for categorical data: \textbf{FALSE}
2. The first quartile is affected by extreme values: \textbf{FALSE}
3. For left skewed data distribution the mean is grater the mode: \textbf{FALSE}
4. The sample variance always grater than the population variance: \textbf{FALSE}
5. The range consider the way in which data are distributed: \textbf{FALSE}

Question Two (5-Points)
The following observations are the daily sales in thousands of supermarket in S.R

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Use the above data \textbf{sample} to answer the following questions

1. The sample median is equal to:
   a. 61
   b. 60.1
   c. 59
   d. \textbf{60.5}

2. The sample standard deviation is equal to:
   a. \textbf{9.5581}
   b. 86.79
   c. 9.3161
   d. 91.3579

3. The coefficient of variation is:
   a. 9.56%
   b. \textbf{15.90%}
   c. 15.50%
   d. 6.45%

4. The inter quartile range is equal to:
   a. 9.75
   b. 32
   c. \textbf{17.25}
   d. 7.5

5. Based on the sample, the distribution of the data is:
   a. Symmetric
   b. Right-skewed
   c. \textbf{Left-skewed}
   d. Can’t be determined