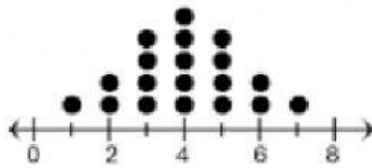


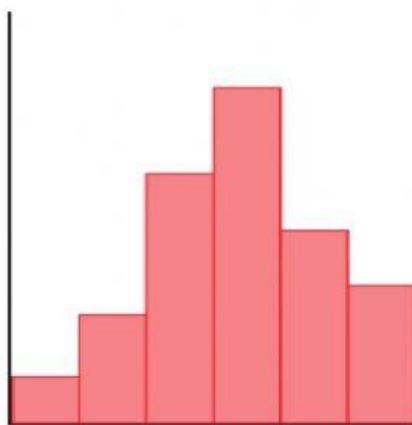
## Chapter 12: Statistical Displays

1.



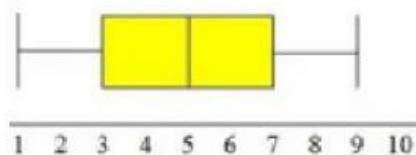
The shape of the data distribution is symmetric not symmetric

2.



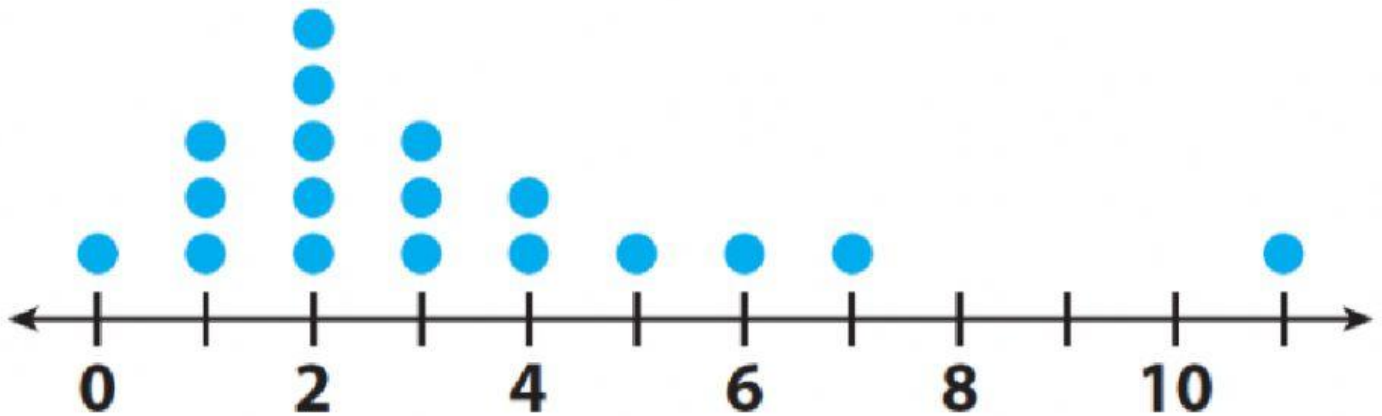
The shape of the data distribution is symmetric not symmetric

3.



The shape of the data distribution is symmetric not symmetric

4. Find:



Range =

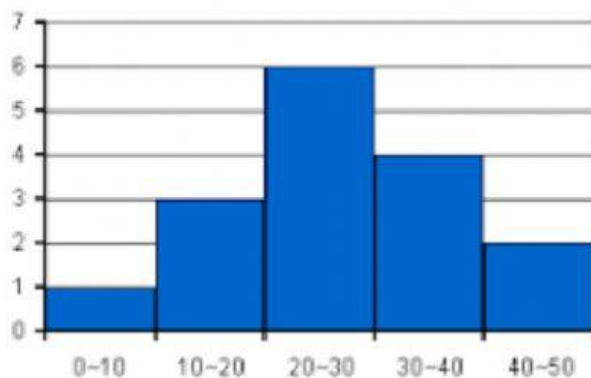
Mode =

Peak =

Gap = to

Outlier =

5. The below histogram describes the marks scored by students.

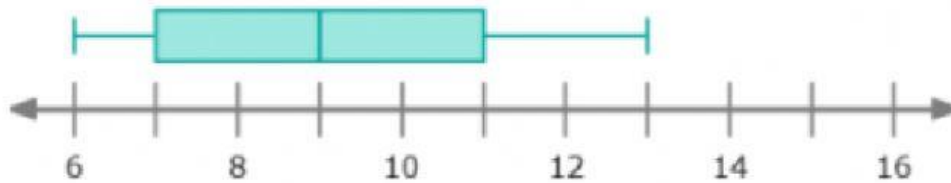


Peak is at the interval      20-30      30-40

Number of students who scored 40-50 marks =

Total number of students in the class =

6. From the box plot, find:



Range =

Median =

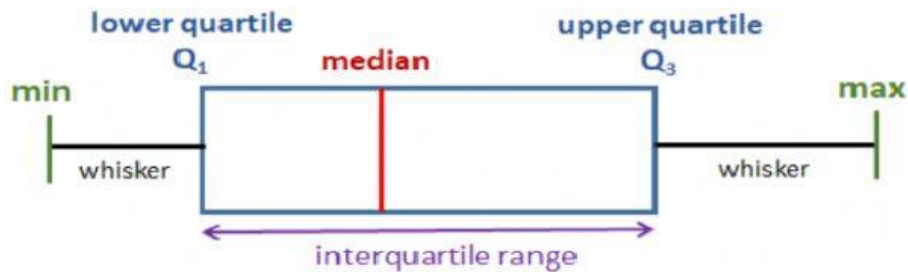
First Quartile, Q1 =

Third Quartile, Q3 =

Interquartile range, I.Q.R =

## Formulas:

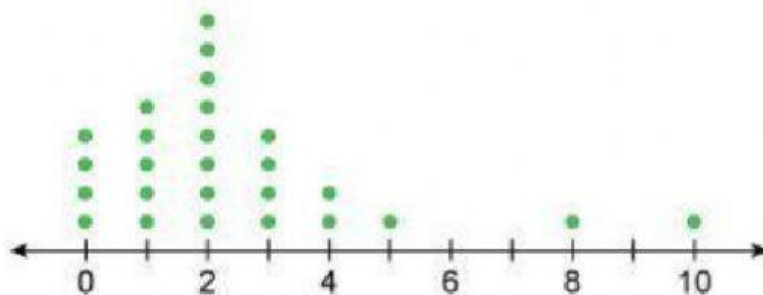
### 1. Box Plot:



Range = upper extreme - lower extreme

Interquartile range, I.Q.R =  $Q_3 - Q_1$

### 2.



Peak = 2

Mode = 2

Gap is at 6, 7 and 9

Outlier = 8 and 10