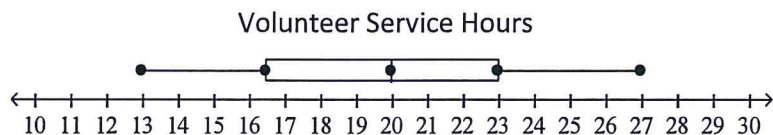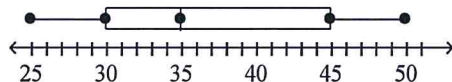Box & Whisker Plot Worksheet 1

1. The box and whisker plot below shows the volunteer service hours performed by students at Indian Trail Middle School last summer.

Volunteer Service Hours

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

a. What is the median of the data set?

b. What is the **lower quartile** of the data set?

c. What is the **upper quartile** of the data set?

d. What percentage of data is between the lower quartile and the upper quartile?

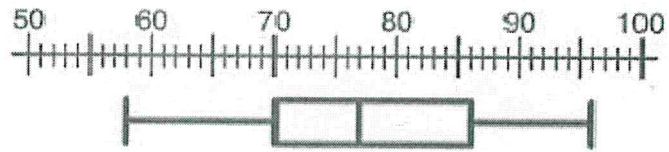2. What is the median of the following box and whisker plot? What percentage of the data is below the median?

25   30   35   40   45   50

3. The five values that make up a box and whisker plot are:

4. The five values in question 3 are called the _____.

5. What is the five number summary of the following box and whisker plot?

6. Create a box and whisker plot with the following set of data: 3, 2, 3, 4, 6, 6, 7

7. Create a box and whisker plot with the following set of data: 1, 2, 5, 6, 9, 12, 7, 10

8. Find the mean, median, mode, and range of the following set of data:

7, 6, 2, 7, 8, 3, 12, 9, 7, 4, 6, 7, 11