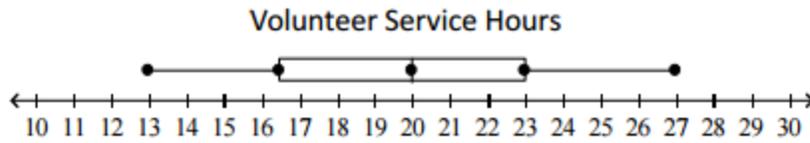


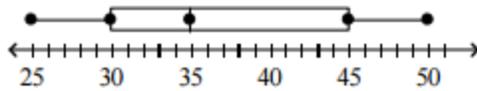
Box and Whisker Plots and the 5 Number Summary

1. The box and whisker plot below shows the number of volunteer service hours performed by students last summer.



- a. What is the median of the data set? _____
- b. What is the IQR? _____
- c. What percentage of the data is above 23? _____
- d. What is the value of the 1st quartile? _____
- e. What is the value of the 3rd quartile? _____

2. Use the given box and whisker plot to answer the following questions?



- a. What is the median of the data set? _____
- b. What is the range of the data set? _____
- c. What is the IQR? _____
- d. What percentage of data is below the median? _____
- e. What percentage of data is between 25 and 45? _____

3. What are the five values that make up a box and whisker plot?

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____

Box and Whisker Plots and the 5 Number Summary

4. Create a box and whisker plot with the following set of data: 3, 2, 3, 4, 6, 7, 6, 3, 4, 7
5. Create a box and whisker plot with the following set of data: 1, 2, 5, 6, 9, 12, 7, 10, 14
6. Find all of the following data values for the following set of data: 7, 6, 2, 7, 8, 3, 12, 9, 7, 4, 6, 7, 11
- Mean (\bar{x}): _____
 - Median: _____
 - Mode: _____
 - Variance (s^2): _____
 - St. Dev. (s): _____
 - IQR: _____