

## Standard Deviation Worksheet

Using the Calculator for Statistics Homework

Name \_\_\_\_\_

1. The data set below gives the waiting time (in minutes) of several people at Food Lion.

11, 7, 14, 2, 8, 13, 3, 6, 10, 3, 8, 4, 8, 7, 4

Find...

- Mean
- Standard deviation
- Lower quartile
- Upper quartile
- IQR

2. The data below gives the calories in a 1-ounce serving of cereals.

135, 115, 120, 110, 110, 105, 110, 125

Find...

- Mean
- Median
- Standard Deviation
- Range
- Maximum

3. The data below gives the age of expectant mothers admitted to the hospital.

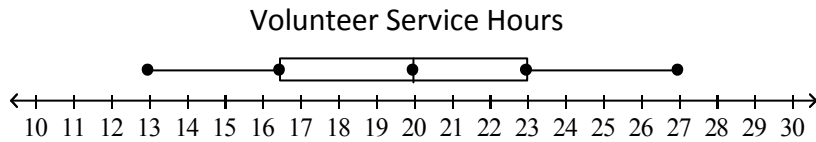
27, 25, 30, 42, 22, 27, 24, 25, 32, 37, 20

Find...

- Mean
- Standard Deviation
- Lower quartile
- Upper quartile
- Median
- Min
- Max
- Range

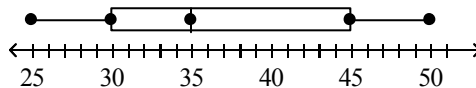
Box & Whisker Plot Worksheet 1

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



- What is the median of the data set?
- What is the **lower quartile** of the data set?
- What is the **upper quartile** of the data set?
- What percentage of data is between the lower quartile and the upper quartile?

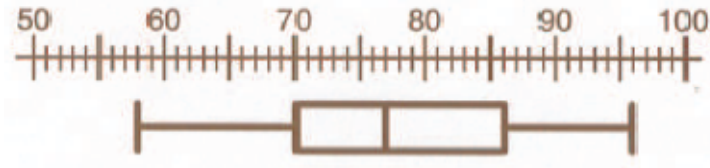
2. What is the median of the following box and whisker plot? What percentage of the data is below the median?



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