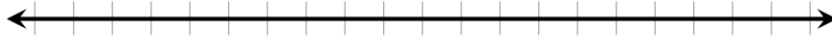


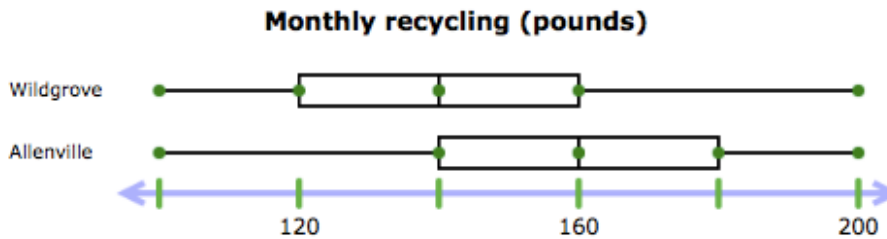
1. Class Box & Whisker plot by hand:

Length of ear (inches): 3.4, 3.1, 3.9, 3.3, 3.3, 2.9, 3.4, 3.7, 3.4, 3.5, 3.4 4.1, 3.1 3.8, 3.2, 4.0, 3.6



2. Use the double Box & Whiskers plot below to answer the following questions.

As part of an ongoing waste reduction effort, the sanitation company that serves Wildgrove and Allenville tracks the amount of material recycled by households each month



- What percent of Wildgrove households recycled over 140 lbs each month?
- Describe the range of Wildgrove vs. Allenville.
- What is Q1 for Allenville?
- What percent of Wildgrove households recycled 200 lbs or less last month?
- What is the Interquartile Range (IQR) for Allenville?
- 75% of households in Allenville recycled _____ lbs or more.
- Which town do you think recycles better? Provide some data to back up your opinion.

3. Make a box and whiskers plot of each set of information. Using calculator OK.

a. 8, 11, 20, 10, 2, 17, 15, 5, 16, 15, 25, 6



b. 7, 8, 8, 6, 9, 10, 7, 12, 6, 11



4. Would 32 be an outlier for problem #3a?

5. Would 3 be an outlier for problem #3b?