Statistical Reasoning
“How good is your balance?” Activity PG 41
Dot and Stem-and-Leaf Plots Activity

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is your balance time? Round to the nearest second.

2. a) Let’s make a dot plot for the “How good is your balance” activity:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_

b) Did you have to start at 0? Where could you stop your number line?

c) Create a stem and leaf plot for the class data.

3. Describe the similarities and differences in your dotplot and stem and leaf plot.

4. Which display do you think summarized the data the best? Why?

4. Could you make a pie chart or bar graph with this data? Why or why not?