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

Quantitative Data PISA Science

1) Create a stem and leaf plot for the data. (Be sure to label the plot and identify the key.)

Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Key: \_\_\_\_\_/\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_

2) Write the 5 number summary for the 2015 Pisa Average Scores in Science.

 Min \_\_\_\_\_\_\_ Q1 \_\_\_\_\_\_\_ Median \_\_\_\_\_\_\_ Q3 \_\_\_\_\_\_\_ Max \_\_\_\_\_\_

3) Calculate the IQR

4) Which country had the lowest score?

5) Which country had the highest score?

6) Describe the shape of the data set.

7) What was the mean score?

8) Calculate the standard deviation for the data set. (Use the data worksheet.)

9) Is the IQR or the standard deviation better for describing the spread of this data?

Explain your answer.

10) Describe the United States’ position in this data set.