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

Quantitative Data 1

These are the ages of people who bought their first new car at a dealer in one month.

53, 20, 48, 23, 61, 27, 29, 38, 33, 85, 34, 32, 45, 47, 22, 50, 18, 25, 34

1. Write the 5 number summary for the ages.

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

1. Calculate the IQR.
2. What was the mean score? (round to nearest whole number)
3. What was the mode?
4. What was the range of ages?
5. Create a stem and leaf plot for the data.

(Be sure the label the plot and identify the key.)

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

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Key: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Identify the outlier.
2. Circle the **two** correct descriptions of the data set.

Skewed left skewed right unimodal bimodal multimodal

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9. Match the histograms to the boxplots. Histogram G1 G2 G3 G4

Boxplot letter \_\_\_ \_\_\_ \_\_\_ \_\_\_