GAME OF GREED

Everyone stands. Your teacher will throw the die twice and total the numbers. This is everybody's current score. Those that are happy with that score sit down and record that score as they are finished with that round. For the others that are still standing, the die is rolled again. If the die is 1, 3, 4, 5, or 6, that number is added to their past total. If it is a 2, the game is over and all those still standing receive a 0 for that round. A game consists of 5 rounds. The total game score is the sum of the scores for the 5 rounds.

Round 1:	Round 2:	Round 3:
Round 4:	Round 5:	Total Score:

Class Data:

Males	Females

Construct a back to back stem-and-leaf display for the data of game totals based on gender. Make sure your display is well labeled.

Compare the distributions of game totals based on gender (Don't forget your SOCS).

Male 5 Number Summary	Female 5 Number Summary

Are there any outliers in the male's totals? *Justify your answer by showing work*.

Are there any outliers in the female's totals? *Justify your answer by showing work*.

Construct side-by-side modified boxplots for the males vs. females game totals. Don't forget your scales and labels!

Name at least one benefit the stem-and-leaf display has over the boxplot.

Name at least one benefit the boxplot has over the stem-and-leaf display.

For your gender's data, find the mean and median.

Mean _____ Median _____

Which is a better description of the center? Why?

For your gender's data, find the range, IQR, and standard deviation.

Range _____ IQR _____ Standard Deviation _____

Which is a better description of the spread? Why?