

Name: _____

Class: _____

AU5: HW #1 Histograms

Date: _____

2. Thirty female users were selected at random from a database of people who play a video game regularly. Each of them agreed to be part of a research study and report their scores. A leadership score is based on a player's answers to leadership questions. A score of 1 to 40 is considered a beginning level leadership score, a score of 41 to 60 is considered a middle level leadership score, and a score of greater than 60 is considered an advanced level leadership score.

a. Use the following data to make a histogram of the female scores on your calculator and then answer the following questions. You **do not** need to copy the histogram onto the paper.

Female scores:

10	20	20	20	30	30	30	40	40	40
50	50	55	65	65	65	65	65	70	70
70	70	76	76	76	76	76	76	76	76

b. Is the shape of the histogram approximately normal, skewed left, or skewed right.

c. Give the range of the data.

d. Do there appear to be any outliers?

e. Are there any unusual features of the histogram?

2. Twenty-five male users were selected at random from a database of people who play a video game regularly. Each of them agreed to be part of a research study and report their scores. A leadership score is based on a player's answers to leadership questions. A score of 1 to 40 is considered a beginning level leadership score, a score of 41 to 60 is considered a middle level leadership score, and a score of greater than 60 is considered an advanced level leadership score.

a. Use the following data to make a histogram of the male scores on your calculator and then answer the following questions. You **do not** need to copy the histogram onto the paper.

Male scores:

15	20	20	25	25	25	25	30	30	30
30	30	30	35	35	35	35	35	40	40
40	45	45	45	50					

b. Is the shape of the histogram approximately normal, skewed left, or skewed right.

c. Give the range of the data.

d. Do there appear to be any outliers?

e. Are there any unusual features of the histogram?