

## Review for Quiz 1.1: One-Variable Statistics

1. The following data was collected for the buttons students were wearing on their clothes:

0, 8, 2, 1, 1, 1, 0, 1, 0, 0, 3, 1, 0, 4, 10, 5, 0, 2, 0, 1, 1, 3

a. Construct a frequency table that displays these results:

# of Buttons	Tallies	Frequency
0-1		
2-3		
4-5		
6-7		
8-9		
10-11		

b. Find the mean and median of this data:

Mean: \_\_\_\_\_

Median: \_\_\_\_\_

c. Which one, mean or median, is a better measure of center? WHY?

Choose the type of data:

2. Zip Code (ex: 27607):

A. Categorical or B. Quantitative

3. Type of Aircraft:

A. Categorical or B. Quantitative

4. Flight Number:

A. Categorical or B. Quantitative

5. Number of passengers:

A. Categorical or B. Quantitative

6. Given the frequency table below, answer the following questions.

Hours Spent Studying for Math Test	Frequency
0	1
1	3
2	5
3	0
4	2

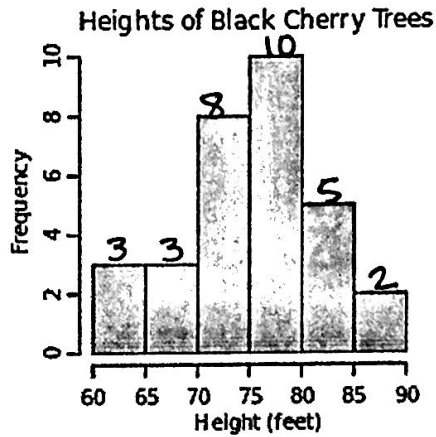
a. List the set of data for the frequency table below:

0, 1, 1, 1, 2, 2, 2, 2, 2, 4, 4

b. What is the shape of the data? \_\_\_\_\_

c. What is the spread? \_\_\_\_\_

Use the histogram below to answer the following questions:



7. Total number of trees included in this data set is:

$$3 + 3 + 8 + 10 + 5 + 2 = 31 \text{ trees}$$

8. How many trees are shorter than 75 feet?

9. How many trees are at least 80 feet tall?

10. What is the shape of this histogram?

11. What is the spread of this data?

12. What is the center of this data?

What is the shape?

