Statistics Review Worksheet

Name: _____

Find the mean, median, mode and range of the data. Show your work!

1. $5, 6, 3, 7, 4, 2, 8$

2. $3, 2, 9, 3, 7, 6, 4, 7$

3. $2.5, 5.5, 3.0, 3.5, 4.5, 4.5, 4.0, 4.5$

4. $5, 3, 2, 3, 2, 3, 3, 5, 1$

5. Make a box-and-whisker plot for the data—Service calls per day: 5, 8, 2, 4, 6, 5, 7, 4.
**Don't forget to label your number line!!

Minimum: _____	
Maximum: _____	
Q1: _____	
Q2: _____	
Q3: _____	

6. The ages of the members of a recreational volleyball team are:
21, 24, 28, 18, 25, 30, 50, and 32. Make a box-and-whisker plot for the data.
**Don't forget to label your number line!!

Minimum: _____	
Maximum: _____	
Q1: _____	
Q2: _____	
Q3: _____	

Tell what type of relationship is represented by the data.

7.

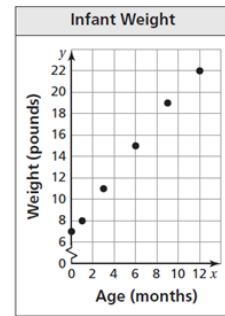| Number of Bananas	0	1	2	3	4	5
Weight (ounces)	0	5	8	14	17	20

8. Time studying and score on test.

9. Items bought, amount of money left on gift card.

10. Age, number of siblings.

11. The scatter plot shows the weights y of an infant from birth through x months.
    a. At what age did the infant weigh 11 pounds?

    b. What was the infant's weight at birth?

    c. What type of relationship does the data show?

Infant Weight

12. The two-way table shows the results of a football team's games over the last five seasons and whether the roof was open or closed.

	Roof Open	Roof Closed	Total
Team Won	25	7	
Team Lost	8	0	
Total			

   a. How many games did the team win?

   b. How many games did the team lose with a closed roof?

   c. Find and interpret the sum of the entries in each row and column.

   d. What percent of the open roof games were won?

13. You randomly survey students in a school about their pet preference. The results are shown in the tally sheets.
   a. Make a two-way table including the totals of the rows and columns.

Female Students

Pet	Tally
Dogs	HHT HHT IIII
Cats	HHT HHT HHT HHT

Male Students

Pet	Tally
Dogs	HHT HHT HHT II
Cats	HHT III

	Female	Male	Total
Dogs			
Cats			
Total			

   b. What percent of male students prefer dogs?

   c. What percent of female students prefer dogs?

   d. Based on your answers to parts b & c, do you think gender affects pet preference?