**Statistic Quiz 1** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 Block: \_\_\_\_\_\_\_

**1.) Find the *Mean*, *Median*, and *Mode* of the following data set:**

**21, 15, 18, 10, 25, 12, 15**

**Mean: \_\_\_\_\_\_\_\_\_ Median: \_\_\_\_\_\_\_\_\_ Mode: \_\_\_\_\_\_\_\_\_**

**2.) Find the *Range*, *Variance*, and *Standard Deviation* of the following data set:  
 21, 15, 18, 10, 25, 12, 15**

**Range: \_\_\_\_\_\_\_\_ Variance: \_\_\_\_\_\_\_\_ Standard Deviation: \_\_\_\_\_\_\_\_**

**3.) In problems 1 and 2 would you consider any of the data to be an *Outlier*? Give evidence to support your answer.**

**4.)Draw *and* label *a box-and-whisker plot* for the following data set:   
   
 21, 15, 18, 10, 25, 12, 15**

**4.)Create your own story problem in which you would use a scatter plot. Draw the scatter plot *and* write the equation of best fit.**

**Answers:**

**Mean: 16.57 🡪   
Median: 15  
Mode: 15  
Variance: 23.10 🡪   
Standard Deviation: 4.81 🡪   
Range: 15  
Outlier: None ☹  
Make a box-and-whisker:**

**5 10 15 20 25 30**

**Q1=12 Q3=21**

**Min=10 Median=15 Max=25**