Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**One Variable Statistics**

**Measures of Spread – Part 1**

**Independent Practice**

1. Below are dot plots of the number of chocolate chips in two different store brand cookies.

|  |  |
| --- | --- |
|  |  |

Which data set has a larger standard deviation? Explain.

1. Below are the most recent quiz scores from Ms. Dillon’s algebra class.



*Part A:* What is the median of the algebra class?

*Part B:* Determine the interquartile range.

1. Consider the following dot plots of the salaries offered by three companies.

$$A$$

$$B$$

$$C$$

*Part A:* Which has the largest median salary?

*Part B:* Which has the largest IQR?

*Part C:* Describe the shape of each distribution (What the shape tells you about each company).

Company A:

Company B:

Company C: