	Pre-Lesson	
	Grade Level:	**Teacher Name/School: LaShawn Johnson/Lee Central Middle School**
	Standards Addressed:	Mathematical Process Standard 1: Make sense of problems and persevere in solving them

Mathematics Process Standard 2: Reason both contextually and abstractly.

6DS2: Use center, spread, and shape to describe the distributions of a set of data collected to answer a statistical question. |
| | **Critical Questions to Consider:** | □ Is the problem relevant to content/standard(s) being taught?
□ Will the problem incorporate multiple instructional and thinking processes?
□ Can students solve this problem in multiple ways?
□ Is the problem high-interest? Will it command student attention?
□ Will students develop their own ideas and reasoning skills? |

Scenario: (no more than 500 words)

Have students gather data about the populations of five other cities in the state of South Carolina. Students will calculate the range, mean, median, and mode of the data.

Instructional Activities: (List in numeric order).

1. Introduce the scenario to the students and have the students reflect on the information learned on measures of center.
2. Pair students or group students and explain the activity to the students. Review vocabulary (mean, median, mode, and range)
3. Have students compare the measures of center for each of the cities and select which city has the greatest mean, median, and mode. Observe the students as they work with a partner to complete and use mathematical computation to solve the scenario.
4. Make sure that the students show their work on how they calculated the measures of center.
5. Discuss the city populations with the students. Have students go over the populations with their group members.
6. Have students share methods and strategies, as well as answers.

Student Reflection / Assessment Activity:

Have students explain which measure of center best summarizes the data and why.

Have students gather data about the populations of three other cities in the state of South Carolina.

Think and Discuss……..
-----Describe what a low range in a data set tells about that set of data.
-----Describe the effect of the median on a set of data.
-----How does removing one of the pieces of data affect the data set?