**Analysis**

Analyzing the entirety of the district, there were a total of 39,170 high school students whose scores were analyzed to determine average math and reading scores as well as the percentages of students who passed math and reading subjects. Of the 39,170 students averages are as follows:

Average Math Score - 78.985371

Average Reading Score - 81.87784

% Passing Math - 74.980853

% Passing Reading - 85.805463

% Overall Passing - 65.172326

Analyzing the district scoring averages as well as the district spending on a per school basis, a total of 15 high schools were analyzed to determine average math and reading scores as well as varying amounts of data on school spending. Analysis was done to determine the highest and lowest performing schools by percentages of overall passing rate. The highest and lowest preforming schools are as follows:

Highest preforming schools:

1. Cabrera High School
2. Thomas High School
3. Griffin High School
4. Wilson High School
5. Pena High School

Lowest preforming schools:

1. Rodriguez High School
2. Figueroa High School
3. Huang High School
4. Hernandez High School
5. Johnson High School

Based on the analysis performed, we can draw the following conclusions or make comparisons:

1. **Charter schools have a significantly higher overall passing rate (90.43%) compared with the overall passing rate of the district schools (53.67%)**
2. **There was no positive correlation between school spending buckets on a per student basis and average scores as well as overall passing rate. The schools in the lowest spending bucket per student basis (<$585) had the highest overall passing averages for math and reading.**
3. **Impact of School Budget on Academic Performance:**

* **Schools with higher budgets may not necessarily have higher average test scores.**
* **By comparing schools with similar budgets we can assess the effectiveness of resource allocation and management in improving economic outcomes**

1. **Relationship between School Size and Academic Achievement :**

* Smaller schools tend to have higher average test scores and passing rates compared to larger schools.
* This suggests that smaller class sizes and a more intimate learning environment may contribute positively to student achievement