

Date:

## Wednesday Challenge Form

Group Members: Nicolas, Edgar, Shaunt, David

**Problem Statement:** Groups have 30 minutes to decide whether it would be best to take a full math course or write out one million numbers. They must explain their reasoning to the class once the time period ends.

**Approach:** To come up with our answer, my group calculated the number of digits required to write out one million numbers and estimated the number of seconds it would take to write out a single digit. Additionally, we estimated the break that would occur when moving on from one number to the next. We used this data to determine the number of hours and days it would take to write out a million numbers if one were to work 24/7, continuously, without any rests. Finally, we evaluated the number hours per day one would have to work in a time period of 180 days—the number of days in a school year.

**Solution:** The veterans, as well as my group, won the Wednesday challenge. We gave circumstantial calculations regarding the number of hours per day one would have to work if they were to work continuously for 180 days. However, we should've done some trial runs.

**Lessons Learned:** Quantitative calculations are important when deciding between two or more choices.