

## Wednesday Challenge Form

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**Problem Statement:** Would you rather take a Math course or write from 1-1,000,000?

**Approach:** We needed to measure the average time it took to write one Digit which was .5 sec a digit. Then we calculated the total number of digits from 1 to 1,000,000, which was 7,688,896 digits in total. So by multiplying the range By the rate, you would get 3,844,448 sec. so by dividing by 24, 60 and 60. we got A total of 44.5 days to write from 1-1,000,000 non-stop. So a more realistic Approach would be by dividing the total hours by the hours per day. So I divided The total hours, 1067.9, by 1,2, and 3. Therefore, we got the results of 1067.9 days 533.951 days, and 355.96 days at 1h/d 2h/d 3h/d. So realistically, it would be more Difficult to write from one to a million than taking a class. We did another approach Of measuring the time it takes to measure 888888, being the number that takes the most Time. After doing those calculations we discovered that it would take 37.7 days Straight. Therefore 888888 isn't the longest number from 1 to a million. Probably, Another digit was longer than 888888 probably 555555 because its less of a Smooth movement than 888888.

**Solution:** it would be more beneficial to take a Class than from writing one to a million.

**Lessons Learned:** learning how to estimate is very important in Engineering. Also, there are no shortcuts in life.