

Title: Writing to 1 mil or taking math class same as school curriculum.

Engineering Challenge

July 20, 2022

Problem Statement: Write the problem statement in your own words and interpretation. What are you trying to achieve? What is being learned through this challenge?

Would you pick writing to 1 million or taking math class for one year?

Materials: List the materials given (if any).

Paper to convince

Approach: Write a description of your plan to achieve the goal of the problem statement. Add drawings/sketches/CADs if possible.

Write the calculation and try to convince people with word as possible.

Solution: What is your solution to the given problem?

Because there is 1-7 digit # $9+2(90)+3(900)+4(9000)+5(90000)+6(900000)+7$. Our solution is taking math class is better because it takes 222 hours and there is 165 hours of 7th period in 1 school year which make math better than writing the 1 to 1 million.

Analysis: After testing, did it achieve your goal? Either way, what could you have done better? If given more time/materials, what would you do differently?

Yes I reached the goal and I would test what is the average time for a person to write one digit

Images:

Taking math class is better because you would learn something new and you just have to do little bit of homework each day and take a test. When you write it in the paper and take each 0.5sec you would need 908,777,722,243,65 days
 2.49 hours each day which is more than class time and
 $(9 + 2(99) + 3(999) + 4(9999) + 5(99,999) + 6(999,999) + 7(10)) \cdot 0.5$ there is only 180 days of school day

It would still take 56 days if you tried as fast as you could