Fermi Questions C - Fermi Questions - Rickards Invitational Div. C - 12-05-2020
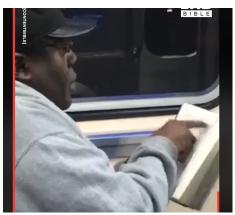
If you leave the tab for more than 30 seconds in total, you will be **tiered**.

1. (5.00 pts)
How long in micro seconds would it take Badland Chugs to chug the entire Atlantic Ocean if he chugs at the same rate as he chugs in the video "The Fastest Gallon Water Chug You've Ever Seen!! (Not Clickbait!)"?

2. (5.00 pts)
If we take the cost of the Apollo program(adjusted for inflation) and we instead spent it all on Frito_Lay Flavor Mix Chips and Snack Variety Pack (50pk) from Sam's Club, how many calories would be in the massive amount of chips bought?

3. (5.00 pts)
If Eminem rapped the entire book "War and Peace" by Leo Tolstoy at the same words per second that he rapped his verse of Godzilla from 2:57 to 3:27, how many Cretaceous Periods would it take for him to finish the book?

4. (5.00 pts)
Let's imagine that all the blood in a human body is suddenly replaced by Cherry Kool-Aid (sweetened). How heavy is the sugar contained in the Kool-Aid in terms of GE ES44AC Freight Trains?

5. (5.00 pts)
If each Western Gorilla on this planet makes a King Kong movie that grossed the same amount of money as Kong: Skull Island, how many Vietnamese Dong will all the King Kong movies gross in total?

6. (5.00 pts)

If Madison Square Garden turned into an actual garden where for every square foot of land, a mature olive tree is planted and grown, how many liters of olive oil could be produced ir the span of Earth's existence (assume that the olive trees are permanently mature).

7. (5.00 pts)

We take the US national debt as of today and convert it all into pennies. We take those pennies, melt it down, and extract the copper content of these pennies. With the copper content we build as many Statues of Liberties as possible and then stack them one top of eachother. How tall is our structure in terms of printer paper?

8. (5.00 pts)

Let's say that everyone who streamed the song Sicko Mode by Travis Scott on Spotify as of today bought a Travis Scott Meal from McDonalds. We then took all the meals, took all the calories from those meals, and then converted those calories into a usable form of energy without garnering any losses. How many years could I run an incandescent lightbulb with all the energy garnered from the Travis Scott meals? Consider each stream on Spotify as a unique person.

9. (5.00 pts)

If Peter Piper picked a petaton amount of peppers in a parsec, how many pineapples could Peter Piper pick in a pahar if he picks pineapples at the same mass/second as he picks peppers.

10. (5.00 pts) ((2nd Taxicab Number)^(Number of Taxicabs in NYC))^(2nd Cabtaxi Number)

11. (5.00 pts)

Let say we take the amount of trees that are currently on this planet and then turn them all into paper. We then stack all of these sheets of paper on top of one another. How many times higher is the stack of papers compared to Stuart Little? Assume all trees on this planet yield the same amount of paper as a standard pine tree with about 45ft of usable trunk and a diameter of 8 inches.

12. (5.00 pts)   If the moon was made out of mozzarella, how many mozzarella moons could the U.S produce before our galaxy collides with Andromeda?

13. (5.00 pts)   If Moore's Law holds true for the rest of time, how many transistors can be found on an IC chip in the year 802,701 AD?

14. (5.00 pts)
If we took all the photos that have been uploaded to the Internet in 2014, turned them into words (a picture is worth a thousand words), and then typed them all into a google doc with font Times New Roman and size 12 with default margins, how many pages would this document be?

15. (5.00 pts)
How many times could Reid Stowe, the man who went on the longest nonstop ocean voyage in recorded history, read the book "The Longest Voyage" by Poul Anderson during his longest voyage if he reads at the same pages per second as the guy in this famous meme?

16. (5.00 pts)

If we bought everyone whose birthday is today a Freshness Guaranteed 7" Rainbow Birthday Cake from Walmart, extracted all the iron from all the birthday cakes, and then resold the iron, how much money could we make from all the iron in dollars.

17. (5.00 pts)

How many pounds will the Royal Family cost UK taxpayers during the duration of Queen Elizabeth II reign? Assume that Queen Elizabeth II will reign for the same amount of time as the half life of Aluminum-26 and that per year UK taxpayers pay on average the same amount as they paid in 2019.

18. (5.00 pts)

Assume that all the carbon on earth turns into Round Brilliant, H color, VVS1, Excellent GIA Cut Grade, non-Fluorescent diamond. How much would all this diamond be worth in dollars?

19. (5.00 pts)

If for every flight performed globally by the airline industry in 2019, Flight Reacts doubles his monthly listeners on Spotify, how many monthly listeners would he have by the end of the year?

20. (5.00 pts)   (Number of pigs in the world)(Number of google results that come up when you look up "Peppa Pig")

21. (5.00 pts)   If we took the net worth of the Red Sox and used it all to buy red socks, how many Short Red Socks with Cashmere could we buy from Calzedonia?

22. (5.00 pts)

If we take the estimated amount of U.S. military spending in 2020-21 and then instead spend it to make an army of Green Army Men toys like the ones shown below, how many times bigger would this army be than the actual US Army?

23. (5.00 pts)   If we buy a Science Olympiad medal for every human that has ever lived on earth, how much money would it cost in Russian rubles?

24. (5.00 pts)   How many calories are in a cubic light year of butter?

25. (5.00 pts)   How long would you have to run for to burn all the calories from the previous question, if you consistently run at 10mph?

Congratulations on finishing! Don't forget to check your answers. Once you do, feel free to submit. Good luck on your other events! If you have any questions you can contact me at farzanshiju1@gmail.com or on DIscord at fds#7731

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