

Estimathon

40 Minutes in Teams of 4

1. How many “doo’s are in Baby Shark by Pinkfong. Singing aloud is encouraged!

Answer: 162 (*Proposed by: Grace Liu*)

2. How many artifacts from the British Museum are actually British?

Answer: 6.5×10^5 (*Proposed by: Grace Liu*)

3. Let X be the product of Bruno Mars’s number of monthly listeners on Spotify as of March 2025 and the mass of the planet Mars. Let Y be the product of Freddie Mercury’s (not Queen’s) number of monthly listeners on Spotify as of March 2025 and the mass of the planet Mercury. What is $\frac{X}{Y}$?

Answer: 113 (*Proposed by: Grace Liu*)

4. Moo Deng (the pygmy hippopotamus) is apparently also a cryptocurrency. What is the FDV (Fully Diluted Value = Price \times Maximum Supply) of the coin as of March 2025?

Answer: 5.04×10^7 (*Proposed by: Grace Liu*)

5. How many times longer is the longest song ever than the shortest song ever (on Spotify)?

Answer: 133117 (*Proposed by: Grace Liu*)

6. Jerry is an avid player of sudoku, and is currently writing out every possible sudoku solution, where rotations and reflections are considered distinct. If he writes one number every second without taking a break, how many times the current age of the universe would this task take him?

Answer: 1.2×10^6 (*Proposed by: Neil Dixit*)

7. In the history of US presidential elections, what is the largest number of popular votes won by the winner divided by the least number of popular votes won by the winner?

Answer: 7273 (*Proposed by: Neil Dixit*)

8. Mary’s favorite animal is a fox, so how many minutes did people spend on Fox News (across all platforms) in 2024?

Answer: 8.094×10^{11} (*Proposed by: Grace Liu*)

9. How many Canadian lakes have a surface area greater than 3 square kilometers?

Answer: 31752 (*Proposed by: Grace Liu*)

10. How many ping-pong balls can fit into the interior of the Empire State Building?

Answer: 2.315×10^{10} (*Proposed by: Neil Dixit*)

11. Suppose a monkey randomly presses a letter, number, or punctuation mark on a keyboard every second until they have typed the Bible continuously (all the characters must appear consecutively). If we let x be the expected number of seconds this takes, what is $\log_{10}(x)$?

Answer: 6.7×10^6 (*Proposed by: Neil Dixit*)

12. How many paperclips would it take for their total mass to equal that of the Eiffel Tower?

Answer: 10^{10} (*Proposed by: Neil Dixit*)

13. I put all the above Estimathon questions into ChatGPT. What is the total number of characters in ChatGPT's response?

Answer: 7191 (*Proposed by: Grace Liu*)