

# SIMC 2024 Estimathon Answers

May 26, 2024

1. How many miles is the shortest driving route going through all 48 contiguous state capitals? (13374)
2. What is the area, in square miles, of all airspace controlled by the United States? (29 million)
3. In pounds, how heavy is the heaviest building in the world? (9.04 billion)
4. In 1990 U.S. Dollars was the total value of Japanese real estate in 1990? (\$20 trillion)
5. How many smallpox cases were reported in the last year it was endemic, 1977? (3234)
6. How many student-athletes participated in NCAA Division I sports in 2023? (188373)
7. How many characters (including spaces) are in the book *Remembrance of Things Past*, which holds the Guinness World Record for the longest book in the world? (9,609,000)
8. How many runners completed the 2024 Boston Marathon? (25530)
9. Of the 1.7 million boys born in 2023, how many were named "Liam," the most popular baby name in the world? (20802)
10. How many Teslas were produced in 2023? (1,845,985)
11. What is the population density of Seattle in people per square foot? ( $3.245 \cdot 10^{-4}$ )
12. How many times does the number 17 occur within the first 1000 digits of pi? (17) (I didn't search this up by the way it was just random chance)
13. How many pounds is a Steinway Model B Classic Grand Piano? (802 lb) [easier]
14. How many grams is the average eyeball? (7.5 grams)
15. How many words does the average person speak in their lifetime? (860,341,500)
16. What is the average visit duration of the ChatGPT website in seconds? (471 secs)
17. What is the product of all of the correct answers of all of the other questions? ( $5.4109026 \cdot 10^{78}$ ).