

You have 50 minutes to complete this test. All units should be specified in the question if needed. As a reminder, you may only use your brain, writing utensils, and scrap paper to answer the questions. No other materials or resources are allowed (i.e. **NO Calculators**). Also, you are not allowed to exit this browser or look anything up. Time outside the browser will be tracked.

Scoring will be as follows:

- High score wins
- Ties are broken by counting the highest number of answers that receive five (5) points. If the number of 5-point answers is the same, the number of 3-point answers will be used. Time is used as the third tiebreaker if needed.
- If the response is **equal to the accepted value**, it earns **5 points**. If the response is **within 1 of the accepted value**, it earns **3 points**. If the response is **within 2 of the accepted value**, it earns **1 point**.
- Scoring Example: If the accepted value is seven and the response given is 7; then five (5) points are awarded. A response of 6 or 8 receives three (3) points and a response of 5 or 9 receives one (1) point.

Best of luck! Have fun!

**1. (0.00 pts)** I have read the instructions entirely, pledge to not use a calculator, and will maintain complete academic integrity.

- ☒ A) Agree
- ☐ B) Disagree

**2. (5.00 pts)** How many Popeyes Classic Chicken Sandwiches could you buy with the amount of money spent at the Rio 2016 Olympics?

**Expected Answer:** 9

**3. (5.00 pts)** [Continuing from the previous question] How many calories would you consume if you ate all of them?

**Expected Answer:** 12

**4. (5.00 pts)**

In Monopoly, people get 200 dollars every time they pass GO. Let's say I start off with 600 dollars, pass GO thrice an hour and I have played for a fortnight nonstop. I also don't lose any money or gain it from any other means. How much money do I have at the end of that fortnight?

**Expected Answer:** 6

**5. (5.00 pts)**

Caeleb Dressel recently broke Michael Phelps' world record for the fastest 100 m butterfly. How much heavier is Caeleb Dressel compared to the average weight of an adult male monarch butterfly?

**Expected Answer:** 5

6. (5.00 pts) How many Big Macs are sold per year in the US?

Expected Answer: 9

7. (5.00 pts) If you were listening to Michael Jackson's Billie Jean nonstop, how many times could you listen to it in a galactic year?

Expected Answer: 13

8. (5.00 pts) How many zeptograms of cattle are in Montana?

Expected Answer: 33

9. (5.00 pts)

One of David Copperfield's most memorable illusions was making the Statue of Liberty disappear. How many pennies can you make with the copper in the Statue of Liberty?

Expected Answer: 8

10. (5.00 pts) How many steps would it take for an average human to hike the entire Continental Divide Trail?

Expected Answer: 7

11. (5.00 pts) How many more times likely I am to get struck by lightning than winning the Mega Millions jackpot?

Expected Answer: 3

**12. (5.00 pts)** If I asked my calculator for a random even integer between -653! and 653!, what are the chances that I would get the integer 42?

**Expected Answer:** -91

**13. (5.00 pts)** If you stacked Kit Kats on top of each other, how many Kit Kats would it take to reach the height of Mt. Fuji?

**Expected Answer:** 5

**14. (5.00 pts)** What is the ratio between the price of the Louisiana Purchase and Elon Musk's net worth?

**Expected Answer:** -4

**15. (5.00 pts)** How many decigrams of sodium are in 46 fl. oz. Jar of Whole Dill Pickles?

**Expected Answer:** 0

**16. (5.00 pts)** In normal times when there were in-person classes, how many school lunches were served per school year in the US?

**Expected Answer:** 10

**17. (5.00 pts)** If  $y = 2^x$  and  $x$  was the height of the Empire State Building in feet, what is  $y$ ?

**Expected Answer:** 167

**18. (5.00 pts)** How many times more permutations are there to order a standard deck of cards than of a 5 x 5 Rubik's cube?

**Expected Answer:** -7

19. (5.00 pts) How many genes are in a chimpanzee genome?

Expected Answer: 4

20. (5.00 pts) How many times could you fly to and from Los Angeles and New York using an average in-state UT Austin tuition for 4 years?

Expected Answer: 2

21. (5.00 pts) How many Joules of energy would be released in an earthquake with a magnitude of 10 on the Richter scale?

Expected Answer: 20

22. (5.00 pts) How many cwt of potatoes are grown annually in Idaho each year?

Expected Answer: 8

23. (5.00 pts) What is the sound intensity ( $W/m^2$ ) of a whisper at 1 m?

Expected Answer: -10

24. (5.00 pts) In the amount of time it took to finish the longest ever chess game, how many times has Uranus orbited the Sun?

Expected Answer: -5

**25. (5.00 pts)** How many shares are traded yearly on the New York Stock Exchange?

**Expected Answer:** 12

**26. (5.00 pts)** How many MB of data is generated each month on the internet?

**Expected Answer:** 14

**27. (5.00 pts)** In the time that you have been given to take this test, how many tweets have been sent?

**Expected Answer:** 7

**28. (5.00 pts)** How many apps are there in the Apple App Store compared to the number of bushels of apples produced by the US annually?

**Expected Answer:** -2

**29. (5.00 pts)** What is the world record for holding your breath underwater in femtoseconds?

**Expected Answer:** 18

**30. (5.00 pts)** How much smaller are you compared to the Earth?

**Expected Answer:** 22

**31. (5.00 pts)** In the amount of time an average person spends sleeping in their lifetime, how many times can they watch the entire 8-movie Harry Potter series?

**Expected Answer:** 4

**32. (5.00 pts)** If everyone on earth was in the same general location and jumped at the same time, approximately how much would the earth move in meters?

**Expected Answer:** -13

**33. (5.00 pts)** What is the average density of the core of a neutron star in  $\text{g/m}^3$  ?

**Expected Answer:** 20

Thank you and hope you enjoyed the test! If you have any feedback about any of the exams at this tournament, please let us know through this form:  
<https://tinyurl.com/utreg21feedback> (<https://tinyurl.com/utreg21feedback>)