For all questions, answer choice (E) NOTA means that none of the given answers is correct. Good Luck!

1. Meit likes doing things at the last minute. It is the last day of summer, and he has to write 3 book reports. It takes him 42 minutes to write 1 book report. How many hours will it take for her to write all 3 of his book reports?

    (A) 84   (B) 126   (C) 2.1   (D) 2.6   (E) NOTA

2. Solve the following: $12 \times 2 + 3 \div 3 + 7 - 8 \times 2 \div 16$

    (A) 31   (B) 0   (C) 1   (D) 32   (E) NOTA

3. Kyle is walking in a triangle. He walks forward a distance of 4 meters, turns right 90 degrees, and walks another 3 meters, how long will his last stride be (returning to his starting point)?

    (A) 3   (B) 4   (C) 5   (D) 6   (E) NOTA

4. Harvey flips his lucky coin. It weighs slightly more on one side, giving it a 60% chance to land on heads. If he flips it 10 times, how many of those flips are expected to be tails?

    (A) 5   (B) 6   (C) 4   (D) 7   (E) NOTA

5. Simplify $\dfrac{\frac{-4}{9}}{\frac{1}{-6}}$

    (A) $\dfrac{-8}{3}$ (B) $\dfrac{8}{3}$ (C) $\dfrac{-2}{27}$ (D) $\dfrac{2}{27}$ (E) NOTA

6. Denice hates numbers. Her life savings is $1,337$. What is $1,337$ in Roman numeral form?

    (A) XIVVII   (B) MCCCXXXVII   (C) MCCDXXLIIIX   (D) MCXVII   (E) NOTA

7. A hexagon is inscribed in a circle inscribed in a square. The square has a side length of 4. The area outside the circle but inside the square and hexagon is equal to the area of the square minus the area of the circle plus the area of the hexagon. The circles radius is equal to the side length of the hexagon, and the side length of the square is equal to the diameter of the circle. How many sides does the hexagon have?

    (A) 4   (B) 6   (C) 2   (D) $16 - 4\pi$ (E) NOTA

8. Luke's hand falls down the Cloud City chute at a rate of 9.8 meters per second. The length of the chute is 98 meters. How many minutes does it take for his hand to reach the end of the chute?

    (A) 10   (B) $\dfrac{1}{6}$ (C) 6   (D) 1   (E) NOTA

9. Evaluate $(12(3 + 4) - 25 \times 88 + 99(98 - 3)) \times ((42 - 27) \div 15 + 91 \div 13) \times (9 - 9)$

    (A) 269613.3   (B) 58312   (C) 1   (D) 0   (E) NOTA

10. How many inches are in a meter?

    (A) 36   (B) About 37   (C) About 39   (D) 32   (E) NOTA

11. The average cruising airspeed velocity of an unladen European swallow is 24 miles per hour. However, if it is carrying a coconut by the husk, it only moves at a rate of 6 miles per hour. Starting at a tropical island, a swallow carrying a coconut flies for six hours, drops the coconut in England, flies for another hour, and lands in France. How many miles are between the tropical island and France? (Assume the island, England, and France are in a straight line.)

    (A) 48   (B) 30   (C) 6   (D) 60   (E) NOTA

12. Compute $11 \times 11 \times 11 \times 11$.

    (A) 121   (B) 12321   (C) 1111   (D) 14641   (E) NOTA

13. Your average filet mignon usually weighs no more than 500 grams, or 250 paperclips. It shrimps in comparison to the size of a prime rib. Which of the following is a prime number?

    (A) 500   (B) 250   (C) 1   (D) 2   (E) NOTA

14. Twenty Hogwarts students attempted to apparate, but only 14 succeeded. What was the percentage of students that were successful?

    (A) 70   (B) 7   (C) 35   (D) 60   (E) NOTA

15. Key has money. He gives 4 dollars to Peele and half of what remains to Aditya. Then he buys a $2.00 apple and gives it to his substitute teacher. He now has 46 dollars. How much money did Key start with?

    (A) $100   (B) $92   (C) $94   (D) $90   (E) NOTA

    Use the following information to solve questions 16 through 18:
    There are a total of 75 victors of the Hunger Games, all coming from 12 different districts. The following values are the number of victors from each district, ordered 1 through 12:
    14, 8, 7, 7, 9, 5, 6, 4, 7, 3, 2, 3.

16. What is the mode of this data?

    (A) 2   (B) 5   (C) 7   (D) 3   (E) NOTA

17. What is the average amount of victors per district? (Assume fractional victors are possible.)

    (A) 6.25   (B) 5.75   (C) 5   (D) 6   (E) NOTA

18. Let's assume a 13th district existed, with 0 victors. What is the new average of the victors? Round to the nearest hundredth.

    (A) 6.25   (B) 5.77   (C) 5   (D) 6   (E) NOTA

19. To please the Knights of Ni, Arthur must cut down the tallest tree in the forest with a herring. It takes 43 strikes of an axe to cut this tree. 43 strikes of a herring are equal to one strike of a butter knife. 100 strikes of a butter knife is equal to one strike of an axe. How many times must Arthur strike the tree with a herring in order to cut it down?

    (A) 18,490   (B) 185,000   (C) 185,900   (D) 184,900   (E) NOTA

20. Jules and Brett are talking while eating a burger. Jules pokes Brett 20 times each time Brett says "what". Brett says "what" five times while Jules is talking to him. How many times does Brett get poked?

    (A) 40   (B) 60   (C) 100   (D) 80   (E) NOTA

21. An X-Wing fighter weighs 8 tons. When lifting it using the Force, one feels only 1% of the weight. How many pounds does an X-Wing weigh?

    (A) 8   (B) 16, 000   (C) 160   (D) 80   (E) NOTA

22. The product of two numbers is 96 while their sum is 20. What is the sum of their digits?

    (A) 20   (B) 4   (C) 11   (D) 12   (E) NOTA

23. The function $x \Lambda y$ is equal to $6x - 12y$. What is $12 \Lambda 6$?

    (A) 0   (B) 1   (C) 6   (D) 12   (E) NOTA

24. Red is trying to walk to the Gym. He walks 5 steps North, 2 steps South, 3 steps East, 4 steps North, 1 step West, 3 steps East, 2 steps South, and 7 steps West. What is his position from his starting point?

    (A) 5 steps South, 2 steps East
    (B) 2 steps North, 5 steps West
    (C) 5 steps North, 2 steps West
    (D) 2 steps South, 5 steps East
    (E) NOTA

25. Red is trying to catch a wild Zapdos. He has four options he can choose when he encounters it: FIGHT, POKEMON, BAG, and RUN. Lets assume Red is being controlled by a higher entity, causing his choices to be completely random. What is the probability of him running away? (Assume that he has an equal chance of choosing each option).

    (A) 25%   (B) 75%
    (C) 100% because of Anarchy   (D) 0% because of Democracy   (E) NOTA

26. The Knights of Ni want X amount of shrubberies. X is equal to the number of Knights squared. If there are 25 Knights of Ni, how many shrubberies do they want?

    (A) 25   (B) 125   (C) 250   (D) 500   (E) NOTA

27. Roehl throws a human-sized object off the fourth floor balcony of his house. It crashes through a green house at the bottom, destroying its entire roof. The dimensions of the green house, which is a rectangular prism, are 8m length, 6m width, 9m height. What is the surface area of the inside of the resulting figure?

    (A) 300   (B) 348   (C) 294   (D) 276   (E) NOTA

    Use the following sequence for questions 28 through 30:
    1,1,2,3,5,8,13,21,34,55,89,144,233...

28. What is the next term in the sequence?

    (A) 322   (B) 355   (C) 366   (D) 377   (E) NOTA

29. What is the 15th term divided by 2?

    (A) 610   (B) 605   (C) 310   (D) 305   (E) NOTA

30. Since you did all or most of my test, I'll make the last question an easy one. This sequence, known as the Fibonacci sequence, is affiliated with a certain figure found in nature. What is this figure? *(Hint: It is not a polygon)*

    (A) Spiral   (B) Rectangle   (C) Square   (D) Triangle   (E) NOTA