

108 DAYS ONLINE COACHING- (DAY 14)-[21-02-2020~FRIDAY]

SQUARE ROOT, CUBE ROOT AND DICES



NAME OF THE CANDIDATE *

M4

PLACE OF THE CANDIDATE *

PATHANAMTHITTA

WHAT'S APP NO (JOINED IN THE SAI EDUCATION COACHING PLATFORM) *

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<https://youtu.be/N-SUz4S7PoQ>

<https://youtu.be/mHRkeLlvchY>

<https://youtu.be/KPG6Th38osg>

1. find it. *

1 point

Find value of $M + \frac{1}{M}$, if $M = \frac{\sqrt{5} - \sqrt{3}}{\sqrt{5} + \sqrt{3}}$?

- a. 2
- b. 9
- c. 8
- d. 15

2. $225 \times 225 = ?$ *

1 point

- a. 50225
- b. 50125
- c. 55225
- d. 50625

3. Ramesh arranged his 17424 chocolates in such a way that there are as many rows as there are chocolates in each row. How many chocolates did he place in each row? * 1 point

- a. 138
- b. 132
- c. 141.2
- d. 145.8

4. Two-third of two-fifth of three-fourth of a number is 36. What is the square root of four-fifth of that number? * 1 point

- a. 9
- b. 12
- c. 14
- d. 16

5. solve it. * 1 point

If $\sqrt{10} = 3.16$, find the value of $\sqrt{5/2}$

- a. 1.30
- b. 1.58
- c. 2.03
- d. 2.15

6. The cube root of .000343 is *

1 point

- a. 0.7
- b. 0.07
- c. 0.007
- d. None of these

7. Evaluate *

1 point

$$\sqrt{10 + \sqrt{25 + \sqrt{108 + \sqrt{154 + \sqrt{225}}}}}$$

- 16
- 8
- 6
- 4

8. Find the value of x? *

1 point

$$\frac{2707}{\sqrt{x}} = 27.07$$

- 1000
- 10000
- 100000
- 1000000

9. What is the smallest number by which 3600 be divided to make it a perfect cube? * 1 point

- 450
- 445
- 430
- 440

10. How many two-digit numbers satisfy the following property given below: The last digit (unit's digit) of the square of the two-digit number is 8? * 1 point

- 4
- 12
- 15
- none of these

11. Which of the following is correct? *

1 point

- Cube of a negative number is always positive.
- Cube of a negative number is always negative.
- Cube of a negative number may be positive or negative
- All of the above

12. The volume of a cubical box is 64 cm^3 . Which of the following is its side? *

1 point

- 2 cm
- 4 cm
- 6 cm
- 8 cm

13. square root of 53824 is *

1 point

- 202
- 232
- 242
- 332

14. Perfect square roots between 250 and 300 are *

1 point

- 256, 289
- 252, 279
- 262, 289
- 272, 292

15. evaluate *

1 point

$$\sqrt{248 + \sqrt{64}}$$

- 14
- 26
- 16
- 36

16. A certain number of people agree to subscribe as many rupees each as a there are subscribers. The whole subscription is 2582449 rupees. Find the number of subscribers. *

1 point

- 1607
- 1802
- 2056
- 2287

17. Find the least number which when multiplied with 74088 will make it a perfect square. *

1 point

- 19
- 22
- 36
- 42

18. Find the least number by which 175760 be divided to make it a perfect cube. *

1 point

- 10
- 17
- 23
- 35

19. The student of class XI of a school donated 4356 Rupees in all, for Prime Minister's National Relief Fund. Each student donated as many rupees as the number of students in the class. Find the number of students? *

1 point

- 61
- 66
- 72
- 78

20. In an auditorium, the number of rows is equal to the number of chairs in each row. 1 point
If the capacity of the auditorium is 2025, find the number of chairs in each row. *

- 34
- 45
- 52
- 66

21. Find the mallest number that must be added to 1780 to make it a perfect square? * 1 point

- 69
- 89
- 88
- 56

22. Find the smallest number that must be added to 123267 to make it a perfect square? * 1 point

- 639
- 637
- 818
- 516

23. Find the smallest number that must be reduced to 123267 to make it a perfect square. *

1 point

- 639
- 66
- 637
- 81

24. Find the smallest number that must be multiplied to 3150 to make it a perfect square? *

1 point

- 63
- 66
- 18
- 14

25. A General wishes to draw up his 36581 soldiers in the form of solid square. After arranging them, he found that some of them are left over. How many are left? *

1 point

- 105
- 100
- 23
- 27

THANK YOU!!!

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