

108 DAYS ONLINE COACHING TEST FOR MISSION 2020-(DAY 95)-[28/11/2020 ~ SATURDAY]

Total points 25/25 ?

Topic : Mensuration

0 of 0 points



Name of the Candidate *

M5

Place of the candidate *

Thrissur

WHATS APP NUMBER (JOINED IN SAI EDUCATION ONLINE COACHING PLATFORM GROUP) *

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Please watch the following videos and answer the following questions

25 of 25 points

<https://youtu.be/2eeAJx-NWb8>
<https://youtu.be/acEAoropWPU>
<https://youtu.be/BE3uOY3S2Gk>
<https://youtu.be/YAOsh8IPRwY>
<https://youtu.be/YOw6lrx0fY>

✓ 1. One side of a rectangle is 22 meter and another side is 15 meter. Then area is? * 1/1

- 315
- 225
- 330
- 385



✓ 2. Perimeter of a rectangle is 300 meter and its width is 60 meter. Then area is? * 1/1

5400



4500

5000

3600

6300

✓ 3. Length of rectangle is 21 meter, width is 20 meter. Then length of the diagonal is? * 1/1

28 meter

29 meter

20 meter

41 meter



✓ 4. The ratio of length and width of a room is 5:3 and it's height is 5 meter. 1/1
If the cost to paint the room is 1600, if the cost per square meter is Rs.10.
Then the difference between length and width of the room? *

5 meter

3 meter

6 meter

4 meter



✓ 5. The cost of fencing of a rectangle field is Rs. 25000, cost per square meter is Rs.50. Length is one and half times of width, Then length is? * 1/1

250

150



- 150
- 100
- 125



✓ 6. The length and width of a room is 25 and 8 meter respectively. Find the $\frac{1}{1}$ length of the carpet if its width is 2 meter. *

- 200
- 75
- 150
- 100



✓ 7. Find the number of square tiles if the length and width of the room is $\frac{1}{1}$ 11.25 meter and 6.75 meter respectively *

- 15
- 17
- 50
- 25



✓ 8. Measuring the sides of a rectangle, one side is taken 30% excess and $\frac{1}{1}$ the other 20% in deficit. Find the change in area is? *

- 8 %
- 12 %



4 %



6 %

✓ 9. If each side of a square is increased by 25%. Find the percentage change in its area?. *

1/1

46

56.25



36.25

50

✓ 10. How many small balls can be place in a box 20cm * 14cm * 7cm, if its radius is 1.5cm? *

1/1

48



26

16

15

✓ 11. The cost of painting of 4 walls of a room is Rs.250. Then what will be the cost of painting 3 times larger room? *

1/1

1250

2250



2500

3000

✓ 12. The capacity to keep rice in a room is 345 tones. Then what will be the $\frac{1}{1}$ capacity to keep rice in a room which is thrice greater? *

9135 tones

8135 tones

8315 tones

9315 tones



✓ 13. Find the length of the longest pole that can be placed in a room 12 meter long 8 meter broad and 9 meter high ? * $\frac{1}{1}$

14 meter

17 meter

19 meter

15 meter



✓ 14. Which will be the sides of a triangle in the following ? * $\frac{1}{1}$

12, 8, 18

10, 3, 4



10, 5, 2

7, 10, 1

✓ 15. The ratio of a triangle is 3:5:7, Then largest angle is? *

1/1

60

36

84

90



✓ 16. If the sides of a triangle are 3cm, 4cm, and 5cm. Then area is? *

1/1

10 cm

36 cm

8 cm

6 cm



✓ 17. The base of triangle is 4.6 m, height is 67 cm, Then area is? *

1/1

15410

15400

14500



14510

✓ 18. What will be altitude of a triangle, if the base of the triangle is x and side of a square is x and area of both are equal? * 1/1

x

$2x$

$x/2$

x^2



✓ 19. ABC is a triangle with base AB. D is a point on AB. such that $AB=5\text{cm}$ $DB=3\text{cm}$. What is the ratio of the area of triangle ADC to the area of triangle ABC? * 1/1

3:2

2:3

3:5

2:5



✓ 20. The area of a rectangular field is 460 square meters. If the length is $15\frac{1}{1}$ percent more than the breadth, what is breadth of the rectangular field? *

15 meter



- 26 meter
- 34.5 meter
- 20 meter



✓ 21. What would be the cost of building a fence around a square plot with area 462.25 sq.ft at the rate of Rs.34 per foot? * 1/1

- 2924
- 2682
- 2846
- 2486



✓ 22. The area of a square is 1024 sqcm. What is the respective ratio between the length and the breadth of a rectangle whose length is twice the side of the square and breadth is 12 cm less than the side of the square? * 1/1

- 5 : 18
- 16 : 7
- 14 : 5
- 16 : 5



✓ 23. The perimeter of a rectangular field is 240 meter. The ratio between the length and breadth of the field 8:7. Find the area of the field? * 1/1

- 3854



3584



3684

3666

✓ 24. The perimeter of a rectangular field is 480 m and the ratio between the length and the breadth is 5:3. The area is? * 1/1

15500

13500



1550

1350

✓ 25. The length of diagonal of a square is 20 cm, Then the perimeter is ? * 1/1

200

$80\sqrt{2}$

$40\sqrt{2}$



$80/\sqrt{2}$

THANK YOU!!!

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