ONLINE COACHING - DAY 100 (18/01/2020 ~ SATURDAY)

Total points   25/25   ❓

TOPIC : Mensuration

0 of 0 points

SAI EDUCATION
KERALA
(A Complete Solution For All Competitive Examinations)

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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https://youtu.be/acEAoropWPU
https://youtu.be/BE3uOY3S2Gk
https://youtu.be/YAOsh8lPRwY
https://youtu.be/YOw6Ixrx0fY

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

○ 315

○ 225

◉ 330   ✓

○ 385

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

◉ 5400   ✓

○ 5000

○ 3600

○ 6300

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

○ 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   1/1
meter is Rs.50. Length is one and half times of width, Then length is? *

○ 250

● 150   ✓

○ 100

○ 125

✓ 6) The length and width of a room is 25 and 8 meter respectively. Find the 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 1/1 11.25 meter and 6.75 meter respectively *

◉ 15   ✓

○ 17

○ 20

○ 25

✓ 8) Measuring the sides of a rectangle, one side is taken 30% excess and 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

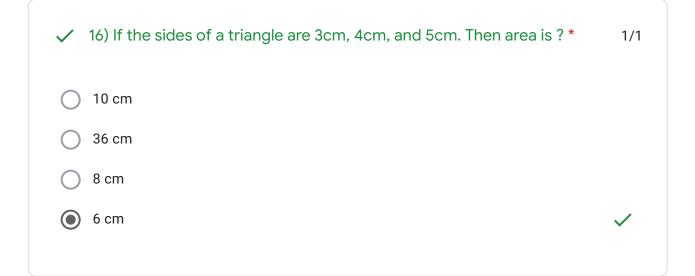◉ 56.25   ✓

○ 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 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   1/1
meter long 8 meter broad and 9 meter high ? *

○ 14 meter

◉ 17 meter ✓

○ 19 meter

○ 15 meter

✓ 14) Which will be the sides of a triangle in the following ? *   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 cm^2   ✓

○ 15400 cm^2

○ 14500 cm^2

○ 14510 cm^2

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

○ x

◉ 2x   ✓

○ x/2

○ x^2

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

○ 3:2

○ 2:3

○ 3:5

◉ 2:5   ✓

✓ **20) The area of a rectangular field is 460 square meters. If the length is 15** 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 1/1
area 462.25 sq.ft at the rate of Rs.34 per foot? *

◉ 2924   ✓

○ 2682

○ 2846

○ 2486

✓ 22) The area of a square is 1024 sqcm. What is the respective ratio 1/1
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? *

○ 5:18

○ 16:7

○ 14:5

◉ 16:5   ✓

✓ 23) The perimeter of a rectangular field is 240 meter. The ratio between 2/2
the length and breadth of the field 8:7. Find the area of the field? *

○ 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

Forms