

G.S.C.E
Chapter Covered MENSURATION
(25 Questions with Options)

Q1

The length of a rectangle is twice its breadth. If its length is decreased by 5 cm and breadth is increased by 5 cm, the area of the rectangle is increased by 75 sq.cm. What is the length of the rectangle?

- A. 20 cm
B. 40 cm
C. 16 cm
D. 18 cm

Q2

If a square and a rhombus stand on the same base, then what is the ratio of the areas of the square and the rhombus?

- A. equal to $\frac{1}{2}$
B. greater than 1
C. less than to 1
D. equal to $\frac{3}{4}$

Q3

The breadth of a rectangular field is 60% of its length. If the perimeter of the field is 800 metre, what is the area of the field in square metre?

- A. 30500
B. 32500
C. 40000
D. 37500

Q4

A room of 5 metre 44 centimetre long and 3 metre 74 centimetre broad needs to be paved with identical square tiles. What will be the least number of such square tiles required to cover the floor?

- A. 176
B. 124
C. 224
D. 186

Q5

The length of a rectangular plot is 20 metre more than its breadth. If the cost of fencing the plot at the rate of ₹26.50 per metre is ₹5300, what is the length of the plot in metre?

- A. 60
B. 50
C. 100
D. 75

Q6

An error 2% in excess is made while measuring the side of a square. What is the percentage of error in the calculated area of the square?

- A. 4%
B. 2%
C. 4.04%
D. 2.02%

Q7

A rectangular park 60 metre long and 40 metre wide has two concrete crossroads running in the middle of the park and rest of the park has been used as a lawn. The area of the lawn is 2109 square metre. What is the width of the road?

- A. 3 metre
B. 2 metre
C. 4 metre
D. 5 metre

Q8

A towel, when bleached, lost 20% of its length and 10% of its breadth. What is the percentage decrease in area?

- A. 26%
B. 28%
C. 30%
D. 32%

Q9

If the length of a rectangle is halved and its breadth is tripled, what is the percentage change in its area?

- A. 50% increase
B. 25% increase
C. 25% decrease
D. 50% decrease

Q10

A person walked diagonally across a square plot. Approximately, what was the percent saved by not walking along the edges?

- A. 30%
B. 20%
C. 25%
D. 35%

Q11

The diagonal of the floor of a rectangular room is $7\frac{1}{2}$ feet. The shorter side of the room is $4\frac{1}{2}$ feet. What is the area of the room?

- A. 20 square feet
B. 22 square feet
C. 27 square feet
D. 24 square feet

Q12

The diagonal of a rectangle is $\sqrt{41}$ cm and its area is 20 sq.cm. What is the perimeter of the rectangle?

- A. 12 cm
B. 18 cm
C. 16 cm
D. 10 cm

Q13

A tank is 25 metre long, 12 metre wide and 6 metre deep. What is the cost of plastering its walls and bottom at the rate of 75 paise per square metre?

- A. ₹558
B. ₹516
C. ₹612
D. ₹502

Q14

It is decided to construct a 2 metre broad pathway around a rectangular plot on the inside. If the area of the plot is 96 square metre and the rate of construction is ₹50 per square metre, what will be the total cost of construction?

- A. ₹4400 B. ₹3500
C. ₹4200 D. Insufficient Data

Q15

The area of a parallelogram is 72 square centimetre and its altitude is twice the corresponding base. What is the length of the base?

- A. 8 centimetre B. 7 centimetre
C. 12 centimetre D. 6 centimetre

Q16

A rectangular field has to be fenced on three sides leaving a side of 20 feet uncovered. If the area of the field is 680 square feet, how many feet of fencing will be required?

- A. 82 B. 92
C. 95 D. 88

Q17

A rectangular parking space is marked out by painting three of its sides. If the length of the unpainted side is 9 feet, and the sum of the lengths of the painted sides is 37 feet, find out the area of the parking space in square feet?

- A. 126 B. 100
C. 64 D. 102

Q18

The area of a rectangular plot is 460 square metres. If the length is 15% more than the breadth, what is the breadth of the plot?

- A. 12 metres B. 20 metres
C. 14 metres D. 18 metres

Q19

A large field of 700 hectares is divided into two parts. The difference of the areas of the two parts is one-fifth of the average of the two areas. What is the area of the smaller part in hectares?

- A. 385 B. 315
C. 365 D. 400

Q20

The length of a room is 5.5 metre and width is 3.75 metre . What is the cost of paying the floor by slabs at the rate of ₹800 per square metre?

- A. ₹16500 B. ₹19500
C. ₹12000 D. ₹18000

Q21

The ratio between the length and the breadth of a rectangular park is 3 : 2. If a man cycling along the boundary of the park at the speed of 12 km/hr completes one round in 8 minutes, then what is the area of the park in square metre?

- A. 142500 B. 142000
C. 153600 D. 112800

Q22

What is the percentage increase in the area of a rectangle, if each of its sides is increased by 20%?

A. 40%

B. 42%

C. 44%

D. 45%

Q23

If the difference between the length and breadth of a rectangle is 23 metre and its perimeter is 206 metre, what is its area in square metre?

A. 2520

B. 2200

C. 2800

D. 2740

Q24

The ratio between the perimeter and the breadth of a rectangle is 5 : 1. If the area of the rectangle is 216 square centimetre, what is the length of the rectangle?

A. 18 cm

B. 14 cm

C. 16 cm

D. 20 cm

Q25

What is the least number of identical square tiles required to pave the floor of a room 15 metre 17 centimetre long and 9 metre 2 centimetre broad?

A. 836

B. 802

C. 900

D. 814

For Any Query please feel free to contact 9874021370 time 10am-6pm(Mon-Sat)