

APTITUDE QUIZ

Mensuration Questions with Answers

Q1 : Length of a rectangle is 53 metre, while its breath is 28 metre. Cost of covering it with grass bed is Rs.27 sq meter. Find total expenditure?

- (A) Rs. 40,098
- (B) Rs. 40,048
- (C) Rs. 40,058
- (D) Rs. 40,088
- (E) None of these

Q2 : Base of a right-angle triangle is 9 cm and its area is 81 sq cm. Find its height.

- (A) 36 cm
- (B) 9 cm
- (C) 27 cm
- (D) None of these

Q3 : Difference between the circumferences of two circles is 132 cm and radius of the smaller circle is 14 cm. Find the radius of the larger circle?

- (A) 14 cm
- (B) 21 cm
- (C) 30 cm
- (D) None of these

Q4 : Poles are to be created along the boundary of a rectangular field in such a way that distance between any two adjacent poles is 1.5 metres. The perimeter of the field is 21 metres and length and the breadth are in the ratio of 4:3 respectively. How many poles will be required?

- (A) 14
- (B) 16
- (C) 15
- (D) 20

Q5 : The ratio of length and breadth of rectangle is 5:2 respectively. The respective ratio of its perimeter and area is 1:3 (irrespective of the unit). What is the length of the rectangle?

- (A) 27 units
- (B) 32 units
- (C) 21 units
- (D) None of these

Q6 : The length of a rectangle, which is 25 cm is equal to the length of a square and the area of the rectangle is 125 square cm less than the area of the square. What is the breadth of the rectangle?

- (A) 15 cm
- (B) 20 cm
- (C) 12 cm
- (D) 14 cm

Q7 : The area of a rectangle with 10 cm length is equal to the area of a circle. Find the circumference of the circle.

- (A) 36 cm
- (B) 34 cm
- (C) 26 cm
- (D) cannot be determined

Q8 : If the length of a rectangle is increased by 20% and the breadth is decreased by 10%. What will be the effect on its area?

- (A) 8% increase
- (B) 8% decrease
- (C) 2% increase
- (D) 2% decrease

Q9 : The ratio of length and breadth of a rectangular plot is 71:16 respectively. The area of the plot is 17324 sq.metres. What is the perimeter of the plot?

- (A) 284 metres
- (B) 528 metres
- (C) 264 metres
- (D) 614 metres

Q10 : If area of a circular jogging track is 3850 sq.metres. What is the circumference of the jogging track?

- (A) 225 metres
- (B) 214 metres

- (C) 220 metres
- (D) 235 metres

Q11 : Ratio between areas of two squares is 36:25. What would be the ratio between their perimeter.

- (A) 5:4
- (B) 6:5
- (C) 4:6
- (D) 8:7

Q12 : A wheel can travel 22 km. in 100 rounds. Find the radius of that wheel.

- (A) 42 mtr
- (B) 28 mtr.
- (C) 35 mtr
- (D) 49 mtr

Q13 : A cow is tied with a 14 ft. long rope in the centre of a field. If the cow can graze the grass of 100 ft² area per day. What will be the time taken by the cow in grazing the grass of whole field?

- (A) 2 Days
- (B) 18 Days
- (C) 24 Days
- (D) 6 Days

Q14 : A rectangular plot has the ratio of 5:3 between length and breath. If the perimeter of the plot is 320 mtr. What's the area of the plot?

- (A) 6000 sq.mtr.
- (B) 12000 sq.mtr.
- (C) 4500 sq.mtr.
- (D) 18000 sq.mtr.

Q15 : Ratio of length, breath and height of a room is 5:4:2. Area of four wall is 144 square meter. Find diagonal of the floor.

- (A) $2\sqrt{41}$ mtr
- (B) $3\sqrt{41}$ mtr
- (C) $2\sqrt{42}$ mtr
- (D) $2\sqrt{41}$ mtr

Q16 : Area of a rectangle is 4 times than that of a square. Breath of rectangle is 12cm. and length of side of square. What is the length of the side of square?

- (A) 10 cm
- (B) 12 cm
- (C) 14 cm
- (D) 16 cm

Q17 : Diagonal of a square is $12\sqrt{2}$. Find the ratio between the area of this square and that of square drawn on diagonal.

- (A) 2:1
- (B) 1:1
- (C) 1:2
- (D) 1:3

Q18 : Ratio between the length and breadth of a rectangular field is 9:4. Rs.14400 are spent on the implantation of grass on this field. If the rate of implantation is Rs. 4 per meter square. What is the breath of the field?

- (A) 38 mtr
- (B) 48 mtr
- (C) 42 mtr
- (D) 40 mtr

Q19 : Length and breadth of a rectangular field is 140 m. and respectively. Poles have to be fixed around this field at the distance of 5 m. How many such poles are required?

- (A) 88
- (B) 40
- (C) 92
- (D) 41

Q20 : A carpet is to be laid in a room of 12m ×8m. measurement. Breath of the carpet is 3m. What should be the length of this carpet?

- (A) 34 mtr
- (B) 32 mtr
- (C) 36 mtr
- (D) 40 mtr

ANSWER

1.E

2.D

3.D

4.A

5.C

6.B

7.D

8.A

9.B

10.C

11.B

12.C

13.D

14.A

15.A

16.B

17.C

18.D

19.C

20.B