

1. A rectangular park 60 m long and 40 m wide has two concrete crossroads running in the middle of the park and the rest of the park has been used as a lawn. If the area of the lawn is 2109 sq. m, then what is the width of the road?

- (a).2.91 m
- (b).3 m
- (c).5.82 m
- (d).None of these

2. The percentage increase in the area of a rectangle, if each of its sides is increased by 20% is:

- (a).40%
- (b).42%
- (c).44%
- (d).46%

Q3.A rectangular field is to be fenced on three sides leaving a side of 20 feet uncovered. If the area of the field is 680 sq. feet, how many feet of fencing will be required?

- (a).34
- (b).40
- (c).68
- (d).88

Q4.The length of a rectangular plot is 20 metres more than its breadth. If the cost of fencing the plot @ 26.50 per metre is Rs. 5300, what is the length of the plot in metres?

- (a).40
- (b).50
- (c).120
- (d).None of the above

Q5.. An error 2% in excess is made while measuring the side of a square. The percentage of error in the calculated area of the square is:

- (a).2%
- (b).2.02%
- (c).4%
- (d).4.04%

Q6.The ratio between the perimeter and the breadth of a rectangle is 5 : 1. If the area of the rectangle is 216 sq. cm, what is the length of the rectangle?

- (a).16 cm
- (b).18 cm
- (c).24 cm
- (d).Data inadequate
- E.None of these

Q7.The difference between the length and breadth of a rectangle is 23 m. If its perimeter is 206 m, then its area is:

- (a).1520 m²
- (b).2420 m²
- (c).2480 m²
- (d).2520 m²

Q8.The length of a rectangle is halved, while its breadth is tripled. What is the percentage change in area?

- (a).25% increase
- (b).50% increase
- (c).50% decrease
- (d).75% decrease

Q9.A tank is 25 m long, 12 m wide and 6 m deep. The cost of plastering its walls and bottom at 75 paise per sq. m, is:

- (a).Rs. 456
- (b).Rs. 458
- (c).Rs. 558
- (d).Rs. 568

Q10.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 the area of the park (in sq. m) is:

- (a).15360
- (b).153600
- (c).30720
- (d).307200

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Solutions

S1.Ans.(b)
S2.Ans.(c)
S3.Ans.(d)
S4.Ans.(d)
S5.Ans.(d)
S6.Ans.(b)
S7.Ans.(d)
S8.Ans.(b)
S9.Ans.(c)
S10.Ans.(b)



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