OBJECTIVE TYPE QUESTIONS

Mark the correct alternative in each of the following:

1. The sides of a rectangle are in the ratio 5 : 4. If its perimeter is 72 cm, then its length is
   (a) 40 cm (b) 20 cm (c) 30 cm (d) 60 cm
2. The cost of fencing a rectangular field 34 m long and 18 m wide at Rs 2.25 per metre is
   (a) Rs 243 (b) Rs 234 (c) Rs 240 (d) Rs 334
3. If the cost of fencing a rectangular field at Rs. 7.50 per metre is Rs. 600, and the length of the field is 24 m, then the breadth of the field is
   (a) 8 m (b) 18 m (c) 24 m (d) 16 m
4. The cost of putting a fence around a square field at Rs 2.50 per metre is Rs 200. The length of each side of the field is
   (a) 80 m (b) 40 m (c) 20 m (d) None of these
5. The length of a rectangle is three times of its width. If the length of the diagonal is $8\sqrt{10}$ m, then the perimeter of the rectangle is
   (a) $15\sqrt{10}$ m (b) $16\sqrt{10}$ m (c) $24\sqrt{10}$ m (d) 64 m
6. If a diagonal of a rectangle is thrice its smaller side, then its length and breadth are in the ratio
   (a) 3 : 1 (b) $\sqrt{3}$: 1 (c) $\sqrt{2}$: 1 (d) $2\sqrt{2}$: 1
7. The ratio of the areas of two squares, one having its diagonal double than the other, is
   (a) 1 : 2 (b) 2 : 3 (c) 3 : 1 (d) 4 : 1
8. If the ratio of areas of two squares is 225 : 256, then the ratio of their perimeters is
   (a) 225 : 256 (b) 256 : 225 (c) 15 : 16 (d) 16 : 15
9. If the sides of a square are halved, then its area
   (a) remains same (b) becomes half
   (c) becomes one fourth (d) becomes double
0. A rectangular carpet has area 120 m^2 and perimeter 46 metres. The length of its diagonal is
   (a) 15 m (b) 16 m (c) 17 m (d) 20 m
1. If the ratio between the length and the perimeter of a rectangular plot is 1 : 3, then the ratio between the length and breadth of the plot is
   (a) 1 : 2 (b) 2 : 1 (c) 3 : 2 (d) 2 : 3
2. If the length of the diagonal of a square is 20 cm, then its perimeter is
   (a) $10\sqrt{2}$ cm (b) 40 cm (c) $40\sqrt{2}$ cm (d) 200 cm

ANSWERS

1. (b) 2. (b) 3. (d) 4. (c) 5. (d) 6. (d) 7. (d)
8. (c) 9. (c) 10. (c) 11. (b) 12. (c)

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