

5. Multiple Choice Questions

(1 Mark)

1. The cost of laying grass in a triangular field 50 m, 65 m and 65 m at the rate of ₹ 7 per m^2 is

- (a) ₹ 10,700 (b) ₹ 10,500 (c) ₹ 10,200 (d) ₹ 10,400

[CBSE 2011]

[Ans. ₹ 10,500]

2. The lengths of sides of a right angled triangle are in the ratio 3 : 4 : 5 and perimeter is 144 cm. Its area is

- (a) 825 cm^2 (b) 810 cm^2 (c) 864 cm^2 (d) 900 cm^2

[Ans. (c) 864 cm^2]

3. The area of a triangle, two sides of which are 18 cm and 10 cm and the perimeter is 42 cm is

- (a) $10\sqrt{11} \text{ cm}^2$ (b) $21\sqrt{11} \text{ cm}^2$
(c) $30\sqrt{11} \text{ cm}^2$ (d) $15\sqrt{11} \text{ cm}^2$



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[Ans. (b) $21\sqrt{11} \text{ cm}^2$]

4. The area of a rhombus whose perimeter is 200m and one of the diagonal is 80 m is

- (a) 2000 m^2 (b) 2200 m^2 (c) 2400 m^2 (d) 2100 m^2

[Ans. (c) 2400 m^2]

5. The area of a quadrilateral ABCD whose sides $AB = 13 \text{ cm}$, $BC = 12 \text{ cm}$, $CD = 9 \text{ cm}$, $DA = 14 \text{ cm}$ and diagonal $BD = 15 \text{ cm}$.

- (a) 162 cm^2 (b) 165 cm^2 (c) 138 cm^2 (d) 164 cm^2

[Ans. 138 cm^2]

6. The area of an isosceles triangle each of whose equal sides are 13 cm and base is 24 cm is

- (a) 110 cm^2 (b) 60 cm^2 (c) 130 cm^2 (d) 105 cm^2

[Ans. 60 cm^2]

7. The area of an equilateral triangle of side 12 cm is

- (a) $26\sqrt{3} \text{ cm}^2$ (b) $32\sqrt{3} \text{ cm}^2$ (c) $36\sqrt{3} \text{ cm}^2$ (d) $40\sqrt{3} \text{ cm}^2$

[Ans. (c) $36\sqrt{3} \text{ cm}^2$]