1. An isosceles right triangle has area 8 cm². The length of its hypotenuse is
(a)  $\sqrt{32}$ cm
(b)  $\sqrt{16}$ cm
(c)$ \sqrt{48}$ cm
(d) $\sqrt{24}$ cm
2. The perimeter of an equilateral triangle is 60 m. The area is
(a) 10√3 m²
(b) 15√3 m²
(c) 20√3 m²
(d) 100√3 m²
3. The sides of a triangle are 56 cm, 60 cm and 52 cm long. Then the area of the triangle is
(a) 1322 cm²
(b) 1311 cm²
(c) 1344 cm²
(d) 1392 cm²
4. The area of an equilateral triangle with side 2√3 cm is
(a) 5.196 cm²
(b) 0.866 cm²
(c) 3.496 cm²
(d) 1.732 cm²
5. The length of each side of an equilateral triangle having an area of 9√3 cm² is
(a) 8 cm
(b) 36 cm
(c) 4 cm
(d) 6 cm
6. If the area of an equilateral triangle is 16√3 cm², then the perimeter of the triangle is
(a) 48 cm
(b) 24 cm
(c) 12 cm
(d) 36 cm
7. The sides of a triangle are 35 cm, 54 cm and 61 cm. The length of its longest altitude is
(a) 16√5 cm
(b) 10√5 cm
(c) 24√5 cm
(d) 28 cm
8. The area of an isosceles triangle having base 2 cm and the length of one of the equal sides 4 cm is
(a) $\sqrt{15}$ cm²
(b) $\sqrt{\frac{15}{2}}$ cm²
(c) $2\sqrt{15}$ cm²
(d) $4\sqrt{15}$cm²
9. The edges of a triangular board are 6 cm, 8 cm and 10 cm. The cost of painting it at the rate of 9 paise per cm² is
(a) Rs 2.00
(b) Rs 2.16
(c) Rs 2.48
(d) Rs 3.00
10. The base of a right triangle is 48 cm and its hypotenuse is 50 cm. The area of the triangle is
(a) 168 cm²
(b) 252 cm²
(c) 336 cm²
(d) 504 cm²

Answers:

1. A
2. D
3. C
4. A
5. D
6. B
7. C
8. A
9. B
10. C