

Exercise B

1. The height of an equilateral triangle is 6 cm, then the area of the triangle is
 (a) $15\sqrt{3}$ (b) $3\sqrt{3}$ (c) $12\sqrt{3}$ (d) none of these
2. The area of an isosceles triangle each of whose equal sides is 13 m and whose base is 24 m =
 (a) 45 m^2 (b) 48 m^2 (c) 60 m^2 (d) none of these
3. The base of an isosceles triangle is 24 cm and its area is 192 cm^2 , then its perimeter is
 (a) 64 cm (b) 65 cm (c) 68 cm (d) none of these
4. The difference between the sides at right angles in a right angled triangle is 14 cm. If the area of the triangle is 120 cm^2 , then the perimeter of the triangle is
 (a) 64 cm (b) 60 cm (c) 68 cm (d) none of these
5. The base of a triangular field is three times its altitudes. If the cost of sowing the field at Rs 58 per hectare is Rs. 783 then its base is
 (a) 900 m (b) 600 m (c) 1200 m (d) none of these
6. The length of altitude of a equilateral triangle of side a unit is
 (a) $\frac{\sqrt{3}}{2}a^2$ (b) $\frac{\sqrt{3}}{4}a^2$ (c) $\frac{\sqrt{3}}{2}a$ (d) none of these
7. The area of the triangle whose sides are 42 cm, 34 cm and 20 cm in length is
 (a) 150 cm^2 (b) 336 cm^2 (c) 300 cm^2 (d) none of these
8. An isosceles triangle has perimeter 30 cm and each of the equal sides is 12 cm. Find the area of the triangle in cm^2 is.
 (a) $9\sqrt{15}$ (b) $12\sqrt{15}$ (c) $6\sqrt{15}$ (d) none of these
9. The height corresponding to the longest side of the triangle whose sides are 91 cm, 98 cm and 105 cm in length is
 (a) 76.4 cm (b) 78.4 cm (c) 65.4 cm (d) none of these
10. If the area of an equilateral triangle is $36\sqrt{3} \text{ cm}^2$, then its perimeter is
 (a) 64 cm (b) 60 cm (c) 36 cm (d) none of these
11. The base of a right angled triangle is 48 cm and its hypotenuse is 50 cm then its area is
 (a) 150 cm^2 (b) 336 cm^2 (c) 300 cm^2 (d) none of these
12. A field is in the shape of a trapezium whose parallel sides are 25 m and 10 m. The non-parallel sides are 14 m and 13 m. Find the area of the field.
 (a) 89.4 m^2 (b) 89.075 m^2 (c) 89.75 m^2 (d) none of these