Area of a Triangle

1. **Find the area of the triangle having the following dimensions:**

   A. altitude = 20 m, base = 18 m

   B. altitude = 25 m, base = 12.8 cm

2. **The height and base of a triangular field are 250 m and 300 m respectively. Find the cost of levelling the field at Rs. 0.50 per metre sq.**

3. **Find the area of an equilateral triangle having the following sides:**

   A. 5 cm

   B. 11.8 cm

4. **Find the area of the following triangles in which**

   A. b = 12 cm, ab = 10 cm, bc = 14 cm

   B. ab = 17 cm, bc = 21 cm, cd = 10 cm

5. **The sides of a triangle are in the ratio 5 : 6 : 7 and its perimetre is 72 cm. Find the area of the triangle.**

6. **The base of a triangular field is 5 times its height. If the cost of cultivating the field is ₹ 3000, at the rate of ₹ 1 per m^2, then find the height and base of the field.**

7. **The base of isosceles triangle is 21 cm, if its perimetre is 35 cm, then find its area.**

8. **The area of a triangle is equal to the area of a square having 90 m. Find the side of the triangle whose corresponding altitude is 128 cm.**