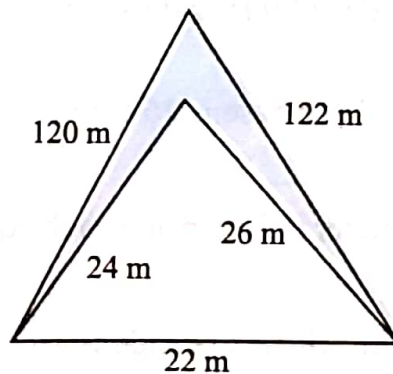


Short Answer Type Questions-I

1. Find the area of a triangle whose two sides are 24 cm and 10 cm and the perimeter of the triangle is 62 cm.
2. The perimeter of a triangular ground is 900 m and its sides are in the ratio 3 : 5 : 4. Using Heron's formula, find the area of ground.
3. Find area of an isosceles triangles whose base is 16 cm and one of its equal sides is 10 cm.
4. An isosceles triangular field's perimeter is 250 m and each equal side is 100 m. Find the area of the field. [Use $\sqrt{15} = 3.87$]
5. Find the area of an isosceles triangle whose one side is 10 cm greater than each of its equal sides and its perimeter is 100 cm.
6. An isosceles triangle has perimeter of 30 cm and each of the equal sides is 12 cm. Find the area of the triangle.
7. Using Heron's formula, find the area of an equilateral triangle whose perimeter is 24 cm.
[Take $\sqrt{3} = 1.73$]
8. Using Heron's formula, calculate the area and altitude of an equilateral triangle of side 80 cm.
[Take $\sqrt{3} = 1.73$]

Short Answer Type Questions-II

1. Find the cost of laying grass in a triangular field of sides 50 m, 65 m and 65 m at the rate of ₹ 7 per m^2 .
2. Find the percentage increase in the area of a triangle if its each side is doubled?
3. The unequal side of an isosceles triangle measures 24 cm and its area is 60 cm^2 . Find its perimeter.
4. Find the area of a triangle two sides of which are 18 cm and 10 cm and the perimeter is 42 cm.
5. Sides of a triangle are in the ratio 12 : 17 : 25 and its perimeter is 540 cm. Find its area.
6. Calculate the area of the shaded region in the figure.



7. A triangular park ABC has sides 120 m, 80 m and 50 m. A gardener, Dhanu has to put a fence all around it and also plant grass inside. How much area does he need to plant? Find the cost of fencing it with barbed wire at the rate of ₹ 20 per metre leaving a space 3 m wide for a gate on one side.
8. The triangular side walls of a fly-over have been used for advertisements. The sides of the walls are 122 m, 22 m and 120 m. The advertisements yield an earning of ₹ 5000 per m^2 per year. A company hired one of its walls for 3 months. How much rent did it pay?