Codeyoung

Advanced_Grade-9_Perimeter and Area

An Introduction to Heron's Formula

1. The semi perimeter of a triangle is 132 cm and the product of the differences of semi perimeter and its respective sides (in cm) is 13200. Find the area of triangle

2. The longest side of a right angled triangle is 125 m and one of the remaining two sides is 100 m. Find its area using Heron's formula.

3. The base (unequal side) of an isosceles triangle is 4 cm and its perimeter is 20 cm. Find its area.

4. The sides of a triangle are in the ratio 3 : 5 : 7 and its perimeter is 300 m. Find its area.

5. Find the area of a triangular field of sides 18 m, 24 m and 30 m. Also find the altitude corresponding to the shortest side.

6. Find the percentage increase in the area of a triangle, if its each side is doubled.

7. The sides of a triangle are in the ratio of 13 : 14 : 15 and its perimeter is 84 cm. Find the area of the triangle.