

INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet For The Academic Year 2025-26

CLASS: IX SUBJECT: Mathematics DATE: 09/11/2025

LESSON-10 Heron's Formula

- 1) In the Heron's Formula 's' denotes _____.
- 2) If the sides of a triangle are 13cm , 14cm and 15cm , then find its area.
- 3) Find the area of a triangle whose two sides are 16cm and 22cm and the perimeter is 64cm.
- 4) Find the area of an isosceles triangle whose one side is 4cm and one of the equal sides is 6cm.
- 5) The length of a triangle are in the ratio 3 : 4 : 5 and perimeter is 144cm. Find the area of the triangle.
- 6) The sides of a triangular park are 5m , 7m , 8m. Find the cost of levelling the ground of the park at Rs 10 per m². ($\sqrt{3} = 1.73$)
- 7) The perimeter of an equilateral triangle is 60m. Find the area of the triangle.
- 8) The edge of a triangular board are 6cm , 8cm and 10cm. Find the cost of painting it at 9 paise per cm².
- 9) The triangular side walls of a flyover has been used for advertisements. The Sides of the walls are 13m , 14m and 15m. The advertisement yields an earning of Rs 2000 per m² per year. How much will a company who hired one of its walls for 6 months have to pay as rent?
- 10) The sides of a triangular field are 51m, 37m and 20m. Find the number of flower beds that can be prepared if each flower bed occupies 9m² of space.
- 11) The semi-perimeter of a triangle of sides 6m , 11m , 15m is _____.

Answers

- | | | | | |
|---------------------------------|----------------------------------|--------------------------------|-----------------------|-----------|
| 2) 84cm ² | 3) $32\sqrt{30}$ cm ² | 4) $8\sqrt{2}$ cm ² | 5) 864cm ² | 6) Rs 173 |
| 7) $100\sqrt{3}$ m ² | 8) Rs 2.16 | 9) Rs 168000 | 10) 34 | 11) 16m |