Worksheet: Heron's Formula

Bihar State Board · Class 9 · Mathematics · 10 questions · 26 marks

Name: _____ Date: _____ Score: _____ / 26

Q1. Find the area of a triangle with sides 13 cm, 14 cm, 15 cm. *[2 marks]*

Q2. Find the area of a triangle with sides 6 cm, 8 cm, 10 cm. *[2 marks]*

Q3. Find the area of an equilateral triangle with side 8 cm. *[1 mark]*

Q4. A triangle has sides 11 m, 15 m, 20 m. Find the semi-perimeter. *[1 mark]*

Q5. An isosceles triangle has equal sides 5 cm and base 6 cm. Find its area using Heron's formula. *[3 marks]*

Q6. A triangular field has sides 50 m, 78 m and 112 m. Find its area. *[3 marks]*

Q7. An equilateral triangle has area 493 cm². Find its side and perimeter. *[3 marks]*

Q8. A triangle has sides in the ratio 5 : 12 : 13 and perimeter 60 cm. Find its area. *[3 marks]*

Q9. Find the area of quadrilateral ABCD where AB = 9, BC = 12, CD = 5, DA = 8 cm and diagonal AC = 15 cm. *[4 marks]*

Q10. A rhombus has perimeter 40 cm and one diagonal 16 cm. Find the area using Heron's formula on one half. *[4 marks]*