

Chapter 12

HERON'S FORMULA

Application of Heron's formula in finding areas of quadrilaterals:

To find the area of a quadrilateral using heron's formula, follow the steps.

Step-1:

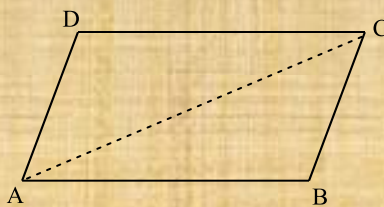
Divide the quadrilateral in to two triangular parts by joining any two of its opposite vertices.

Step-2:

Calculate the area of two triangles by using heron's formula.

Step-3:

Area of quadrilateral ABCD,
= Area of $\triangle ABC$ + Area of $\triangle ADC$.



(OR)

Area of quadrilateral ABCD,
= Area of $\triangle ABD$ + Area of $\triangle BCD$.

