Note r= A 5 = a + b + c A = 15 (3-a) (5-b) (5-c) a,b, c = Sides of triangle

Sides of a towargle are 13 cm, 14 cm and 15 Find the area of triangle. Sides of a towardle are 13 cm. 14 cm and 15 cm. Find the area of triangle.

Ans : -

$$S = \frac{a+b+c}{2}$$
=\frac{13+14+15}{2} = \frac{42}{2} = \frac{21}{2}

Area = \sqrt{S(S-a) (S-b)(S-c)}

=
$$\sqrt{21(21-13)}(21-14)(21-15)$$

Draw an equitateral triangle and a semi circle through its two

