HERONS FORMULA

- The sides of a triangle are 35cm,54cm and 61cm respectively. Find the length of its longest altitude.
- The base of an isosceles triangle measures 24cm and its area is 192cm²·Find its perimeter
- 3. Calculate the area of the shaded region.
- Find the area of the quadrilateral ABCD in which AB=9cm, BC=40cm, CD=28cm, DA=15cm and LABC=90⁰
- 5. Find the area of parallelogram ABCD in which BC=12 cm, CD=17 cm, and BD=25cm. also find the length of the altitude AE FROM VERTEX A on the side BC.
- 6. Reenumade a picture of an aero plane with colored paper as shown in figure. Find the total area of paper used.
- 7. A field is in the shape of a trapezium whose parallel sides are 25m and 10 m and the nonparallel sides are 14m and 13m. find the area of the field.
- 8. If each side of a triangle is doubled then find the percentage increase in the area of new triangle thus formed and the given area.
- The length and breadth of a rectangular park are in ratio 8: 5. A path, 1.5 wide, running all around the outside of the park has an area of 594m². Find the dimensions of the park.
- 10. The perimeter of an isosceles triangle is 32. The ratio of the equal sides and to its base is 3 :2. find the area of the triangle.