**Aarambh Classes**

**Class 8**

**Maths test**

**Time : 1 hour M.marks : 30**

1. How many cubic blocks of wood of side 20 cm can be cut from a block of wood having dimensions 2m,80 cm and 40 cm?
2. A metallic pipe whose internal and external diameters are 8 cm and 6 cm has a length of 2.1 m. Find the volume of the metal.
3. A cyllindrical roller has is of length 2 m and diameter 84 cm.Find the number of revolutions it will make to cover an area of 7920 m.
4. A well is dug 12 m deep and has aradius of 0.7 m .The earth taken out is spread over a rectangular plot 11 m by 14 m to raise the ground .What is the height by which the ground is raised ?
5. If the total surface area of a cubical tank is 486 sq m.,what is the length of one side ?
6. A right angle traingle has a hypotenuse 13 cm long .One of its sides is 12 cm long .What is its area ?
7. The area of an equilateral triangle is 25 sq. M .Find the length of each side of the triangle .
8. The diagonal of a square field is 90 m. What is its area ?
9. Calculate the area of the following figure :
10. Find the area of the shaded portion :