

Mensuration Quick Maths Formulas

1. Area of Rectangle = Length * Breadth
2. (Diagonal of Rectangle)² = (Length)² * (Breadth)²
3. Perimeter of Rectangle = 2 * (Length + Breadth)
4. Area of a Square = (Side)² = 1/2 * (Diagonal)²
5. Perimeter of Square = 4 * Side
6. Area of 4 walls of a room = 2 * (Length + Breadth) * Height
7. Area of a parallelogram = (Base * Height)
8. Area of a rhombus = 1/2 * (Product of Diagonals)
9. Area of an Equilateral Triangle = $\frac{\sqrt{3}}{4} * (\text{Side})^2$

10. Perimeter of an Equilateral Triangle = $3 * \text{Side}$
11. Area of an Isosceles Triangle = $b/4 * \text{root of } 4a^2 - b^2$
12. Area of Triangle = $1/2 * \text{Base} * \text{Height}$
13. Area of Triangle = root of $[s(s - a) * (s - b) * (s - c)]$
14. Area of Trapezium = $1/2 * (\text{Sum of parallel sides} * \text{perpendicular distance between them})$
15. Circumference of a circle = $2*(22/7)*r$
16. Area of a circle = $(22/7) * r^2$
17. Area of a parallelogram = $2 * \text{root of } [s(s - a) * (s - b) * (s - d)]$
18. Volume of cuboid = $(l*b*h)$
19. Whole Surface of cuboid = $2 * (lb + bh + lh) \text{ sq. units}$

20. Diagonal of Cuboid = Root of $(l^2 + b^2 + h^2)$
21. Volume of a cube = a^3
22. Whole Surface Area of cube = $(6 * a^2)$
23. Diagonal of Cube = Root of $(3) * a$
24. Volume of Cylinder = $(22/7) * r^2 * h$
25. Curved Surface area of Cylinder = $2 * (22/7) * r * h$
26. Total Surface Area of Cylinder = $[2 * (22/7) * r * h] + \{2 * (22/7) * r^2\}$
27. Volume of Sphere = $(4/3) * (22/7) * r^3$
28. Surface Area of Sphere = $4 * (22/7) * r^2$
29. Volume of hemisphere = $(2/3) * (22/7) * r^3$

30. Curved Surface area of hemisphere = $2 * (22/7) * r^2$

31. Whole Surface Area of hemisphere = $3 * (22/7) * r^2$.