

General formulae for area and volume.

1. Area of square = $(\text{side})^2$
2. Area of rectangle = length \times breadth
3. Area of triangle = $\frac{1}{2} \times \text{base} \times \text{height}$
4. Area enclosed by a circle = πr^2 ; where r is radius
5. Surface area of sphere = $4\pi r^2$
6. Surface area of cube = $6L^2$; where L is a side of cube
7. Surface area of cuboid = $2[L \times b + b \times h + h \times L]$; where L = length, b = breadth, h = height

8. Area of curved surface of cylinder = $2\pi rl$; where r = radius, l = length of cylinder
9. Volume of cube = L^3
10. Volume of cuboid = $L \times b \times h$

11. Volume of sphere = $\frac{4}{3}\pi r^3$
12. Volume of cylinder = $\pi r^2 l$
13. Volume of cone = $\frac{1}{3}\pi r^2 h$