Formulas

Surface Area of 3D Shapes

S.N.	3D shape	Surface area
1.	Cylinder	$2\pi rh$
2.	Cone	πrl
3.	Sphere	$4\pi r^2$
4.	Hemisphere	$2\pi r^2$

Formulas

Total Surface Area of 3D Shapes

S.N.	3D shape	Total surface area
1.	Cuboid	$2(lb + bh + hl)$
2.	Cube	$6(l)^2$
3.	Cylinder	$2\pi r(r + h)$
4.	Cone	$\pi r(l + r)$
5.	Sphere	Does not exist
6.	Hemisphere	$3\pi r^2$

Formulas

Volume of 3D Shapes

S.N.	3D shape	Volume
1.	Cuboid	$l \times b \times h$
2.	Cube	l^3
3.	Cylinder	$\pi r^2 h$
4.	Cone	$\frac{1}{3}\pi r^2 h$
5.	Sphere	$\frac{4}{3}\pi r^3$
6.	Hemisphere	$\frac{2}{3}\pi r^3$