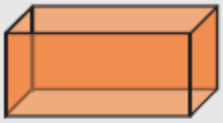
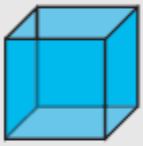
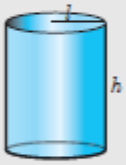
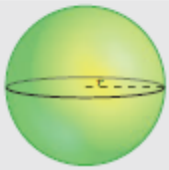
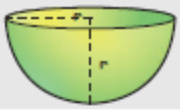
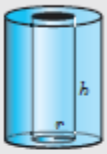
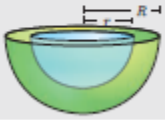
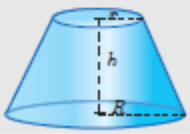
Mensuration Points to Remember:

Points to Remember

Solid	Figure	Curved surface Area / Lateral surface Area (in sq. units)	Total surface Area (in sq. units)	Volume (in cubic units)
Cuboid		$2h(l+b)$	$2(lb+bh+lh)$	$l \times b \times h$
Cube		$4a^2$	$6a^2$	a^3
Right Circular Cylinder		$2\pi rh$	$2\pi r(h+r)$	$\pi r^2 h$
Right Circular Cone		πrl $l = \sqrt{r^2+h^2}$ l = slant height	$\pi rl + \pi r^2$ $= \pi r(l+r)$	$\frac{1}{3}\pi r^2 h$
Sphere		$4\pi r^2$	$4\pi r^2$	$\frac{4}{3}\pi r^3$
Hemisphere		$2\pi r^2$	$3\pi r^2$	$\frac{2}{3}\pi r^3$
Hollow cylinder		$2\pi(R+r)h$	$2\pi(R+r)$ $(R-r+h)$	$\pi(R^2-r^2)h$
Hollow sphere		$4\pi R^2$ = outer surface area	$4\pi(R^2+r^2)$	$\frac{4}{3}\pi(R^3-r^3)$
Hollow hemisphere		$2\pi(R^2+r^2)$	$\pi(3R^2+r^2)$	$\frac{2}{3}\pi(R^3-r^3)$
Frustum of right circular cone.		$\pi(R+r)l$ where $l = \sqrt{h^2+(R-r)^2}$	$\pi(R+r)l + \pi R^2 + \pi r^2$	$\frac{1}{3}\pi h\left[R^2+r^2+Rr\right]$