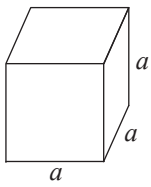
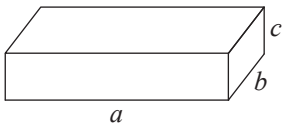
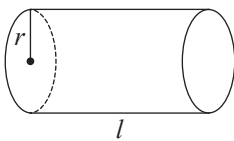
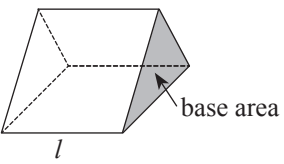
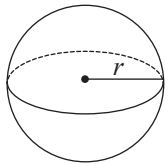
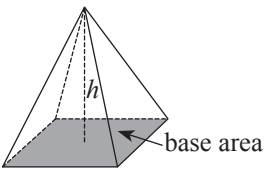
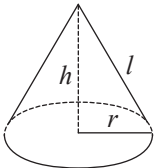


# Volume and Surface Area of Solids

Name	Figure	Volume and Total surface area
<b>Cube</b>		Volume = $a^3$ Total surface area = $6a^2$
<b>Cuboid</b>		Volume = $abc$ Total surface area = $2ac + 2bc + 2ab$
<b>Cylinder</b>		Volume = $\pi r^2 l$ Total surface area = $2\pi r l + 2\pi r^2$
<b>Prism</b>		Volume = base area $\times$ $l$ Total surface area = sum of areas of the 5 faces
<b>Sphere</b>		Volume = $\frac{4}{3}\pi r^3$ Total surface area = $4\pi r^2$
<b>Pyramid</b>		Volume = $\frac{1}{3} \times$ base area $\times$ $h$ Total surface area = sum of areas of the 5 faces
<b>Cone</b>		Volume = $\frac{1}{3}\pi r^2 h$ Total surface area = $\pi r l + \pi r^2$