| Topic/Skill | Definition/Tips <br> Volume is a measure of the amount of <br> space inside a solid shape. <br> Units: $\mathrm{mm}^{3}, \mathrm{~cm}^{3}, \mathrm{~m}^{3}$ etc. |
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| 2. Volume of a <br> Cube/Cuboid | $\boldsymbol{V}=\boldsymbol{L e n g t h} \times \boldsymbol{W i d t h} \times \boldsymbol{H e i g h t}$ <br> $\boldsymbol{V}=\boldsymbol{L} \times \boldsymbol{W} \times \boldsymbol{H}$ |
| You can also use the Volume of a Prism |  |
| formula for a cube/cuboid. |  |


| 8. Volume of a <br> Pyramid | Volume $=\frac{\mathbf{1}}{\mathbf{3}} \boldsymbol{B} \boldsymbol{h}$ <br> where $\mathrm{B}=$ area of the base |  |
| :--- | :--- | :--- |
| 9. Volume of a <br> Sphere | Look out for hemispheres - just halve the <br> volume of a sphere. | Find the volume of a sphere with <br> diameter 10 cm. |
| 10. Frustums |  |  |
| A frustum is a solid (usually a cone or <br> pyramid) with the top removed. <br> Find the volume of the whole shape, then <br> take away the volume of the small <br> cone/pyramid removed at the top. |  |  |

