MTH1W Grade 9 Mathematics

6.6 Measurement Calculations in Three Dimensions

Goal(s)

- To determine the surface area and volume of 3-dimensional shapes
- Solve problems involving composite figures

Remember...

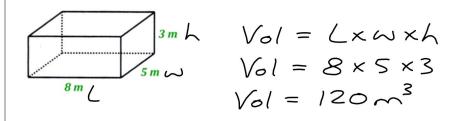
Surface Area

The total area of the faces of a 3D shape. Surface area is measured in square units.

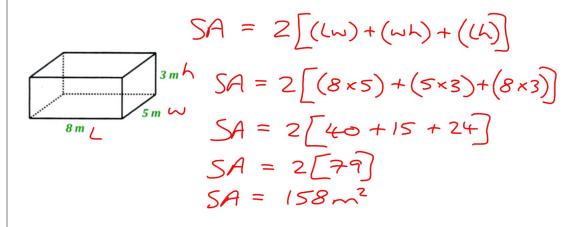
Volume

The amount of space inside a solid figure. Volume is measured in cubic units.

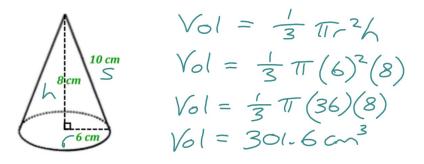
Determine the volume of the shape.



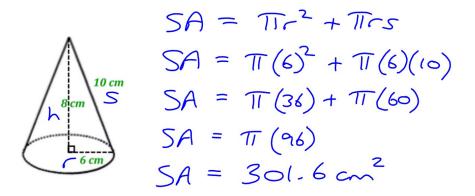
Determine the surface area the shape.



Determine the volume of the following shape.



Determine the surface area of the shape.



Note: the numerical answers for the volume and surface are the same. This is NOT always the case, it's just how it worked out this time.

