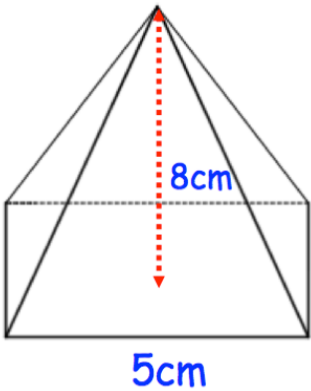
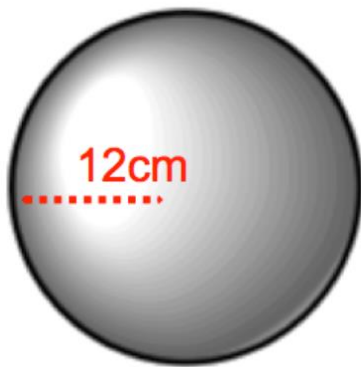


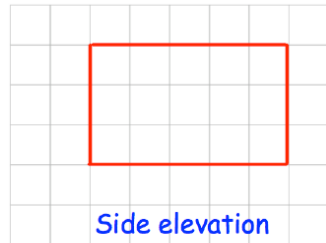
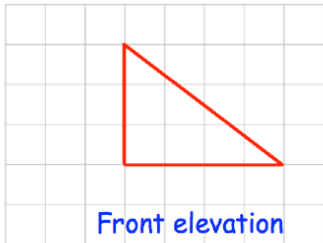
ASSIGNMENT 14



Find the volume of the square based pyramid

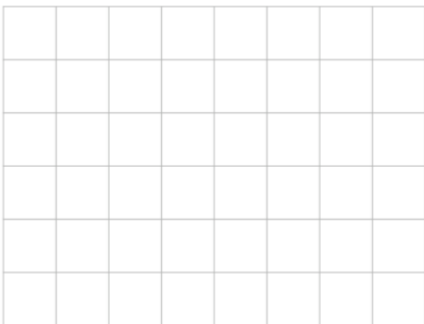


Calculate the volume of the sphere.
Give your answer to 1 decimal place.



This is a prism

On the grid, draw the plan view.



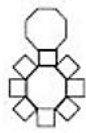
Draw a sketch of the solid shape.



a)



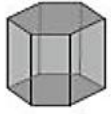
b)



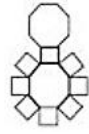
c)



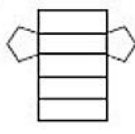
Tick the correct 'Net' of the two shapes



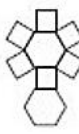
a)



b)

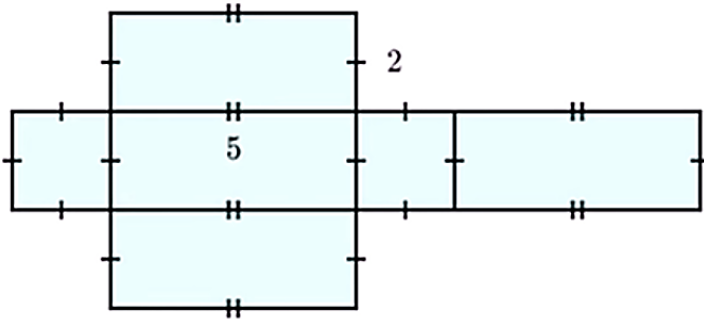


c)

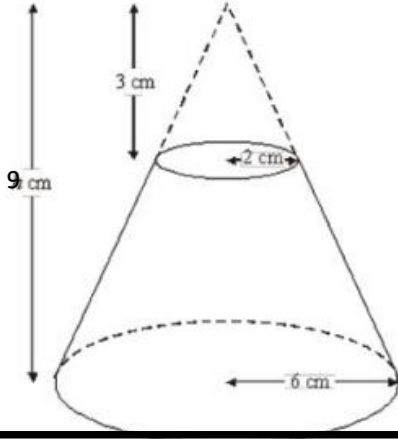


Find the surface area

Find the volume when the net is folder to create a 3D object

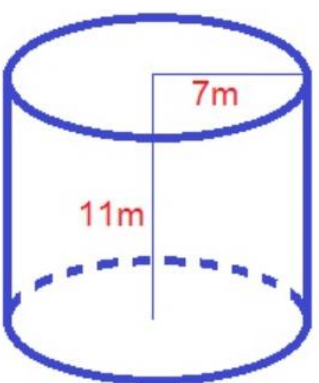


A small cone is increased in height from 3cm to 9 cm. Find the volume of both cones, then state the ratio of the 'volume' increase.



Find the total surface area of the 3D object.

Draw its net.



Aims of this session: Review your abilities in each of these areas, Green (feel confident..G), Amber (need to work more on..A), Red (Feel weaker at this..R)

1. Calculate the surface area of 3D shapes
2. Find the volume of 3D objects using appropriate formulae
3. Increase/decrease lengths/areas/volumes of similar objects
4. Identify the net of a 3D object

G A R

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MOSTLY GREEN MOSTLY ORANGE MOSTLY RED