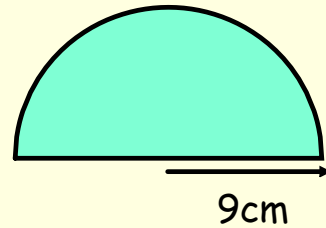


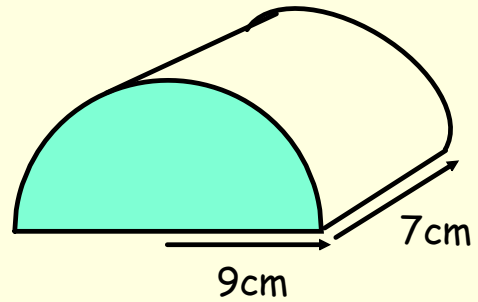
Starter

1) Calculate the **area** of the semi circle.



$$\text{Answer} = 127.234 \text{ cm}^2$$

2) Calculate the **volume** of the prism.



$$\text{Answer} = 890.642 \text{ cm}^3$$

Volume Exam Questions

Today we are learning...

How to answer National 5 exam questions on volume.

I will know if I have been successful if...

I show all of my working out.

I can give the correct units in my answer.

I can self assess to identify areas to improve upon.



Volume Formula

$$\text{Volume of a Cube or Cuboid} = L \times B \times H$$

$$\text{Volume of a Cylinder} = \pi r^2 h$$

$$\text{Volume of a Sphere} = \frac{4}{3} \pi r^3$$

$$\text{Volume of a Cone} = \frac{1}{3} \pi r^2 h$$

$$\text{Volume of a Pyramid} = \frac{1}{3} Ah$$

} These 3
are given
in the
exam!

$$\text{Volume of a Prism} = \text{Cross Sectional Area} \times \text{Length}$$