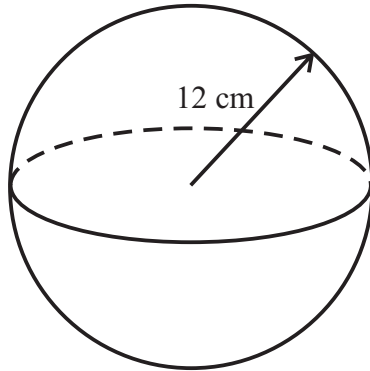


$$\text{Volume of a sphere} = \frac{4}{3}\pi r^3$$

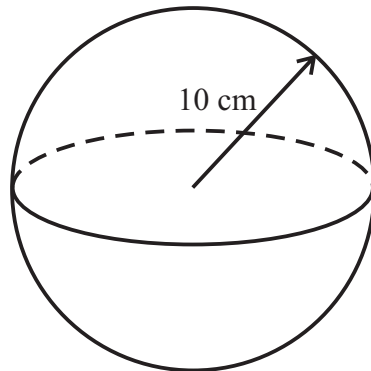
$$\text{Surface area of a sphere} = 4\pi r^2$$



- 1) a) Work out the volume of the sphere.
b) Work out the surface area of the sphere.



- 2) a) Work out the volume of the sphere, leaving your answer in terms of π .
b) Work out the surface area of the sphere, leaving your answer in terms of π .



- 3) a) Work out the volume of the solid hemisphere.
b) Work out the surface area of the solid hemisphere.

