

Year 9C CA3

- 1) Calculate the surface area of a cuboid with length 0.15 m, with 8 cm and height 5cm.
- 2) Calculate the volume of a cuboid with length 0.15 m, with 8 cm and height 5cm.
- 3) Calculate the surface area of a sphere with a diameter of 42 cm ($\pi=22/7$).
- 4) Calculate the Volume of a sphere with a diameter of 42 cm ($\pi=22/7$).
- 5) If the surface area of a cube is 384 cm^2 , find the side of the cube.
- 6) The surface area of a cylinder with a diameter of 21 cm is $1,353 \text{ cm}^2$, find the height of the cylinder.
- 7) Calculate the volume of a pyramid length 5 cm, width 4 cm and a vertical height of 7 cm.
- 8) The volume of a pyramid is 120 cm^3 and the base area is 30 cm^2 . Calculate the vertical height.
- 9) A cone with a with a radius of 12 cm also has a volume of $3,168 \text{ cm}^3$. Calculate the perpendicular height of the cone. Take $\pi = 22/7$
- 10) A metal sphere with radius 14 cm is melted to form a few smaller spheres with radius of 7 cm. Find the number of small spheres that can be formed.