

(5 marks)

Question 4

A sphere has a surface area of 81π cm².

Work out the volume of the sphere. Give your answer correct to 3 significant figures.





.

Question 5 The diagram shows a solid prism. The prism is made from wood with density 0.7 g/cm ³ Work out the mass of the prism. $\frac{10 \text{ cm}}{9 \text{ cm}} = \frac{10 \text{ cm}}{14 \text{ cm}} = \frac{10 \text{ cm}}{1$

Question 6

The total surface area of a cube is 294 cm². Work out the volume of the cube.







(4 marks)