

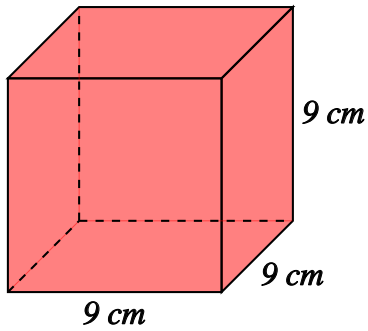
# Surface Area and Volume of 3D Shapes - basics

Name:	Class:	Date:
-------	--------	-------

Mark	/ 5	%
------	-----	---

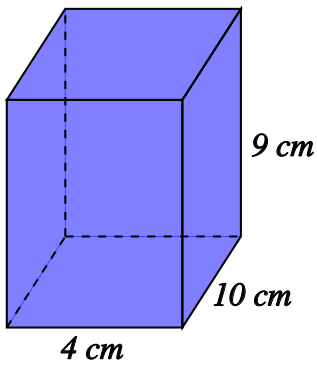
1) Find the volume and surface area of the cube

[1]

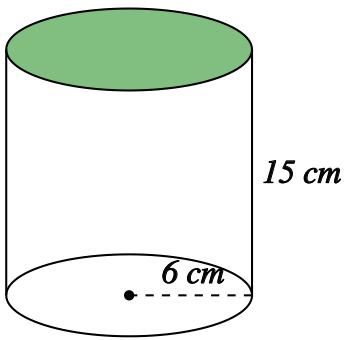


2) Find the volume and surface area of the cuboid

[1]



3) Find the volume and surface area of the cylinder, rounding your answers to 3 significant figures [1]



4) Find the volume of a cube, given that its surface area is  $96 \text{ cm}^2$  [1]

5) Find the surface area of a cube, given that its volume is  $216 \text{ cm}^3$  [1]

**Solutions for the assessment Surface Area and Volume of 3D Shapes - basics**

1) Volume =  $729 \text{ cm}^3$ , Surface area =  $486 \text{ cm}^2$

2) Volume =  $360 \text{ cm}^3$ , Surface area =  $332 \text{ cm}^2$

3) Volume =  $1700 \text{ cm}^3$ , Surface area =  $792 \text{ cm}^2$

4) Volume =  $64 \text{ cm}^3$

5) Surface area =  $216 \text{ cm}^2$