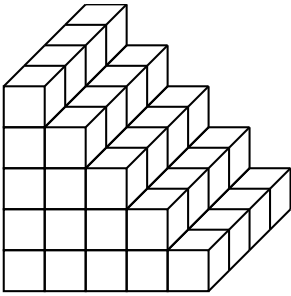


Volume of 3D shapes - basics

Name:	Class:	Date:
Mark		/ 10 %

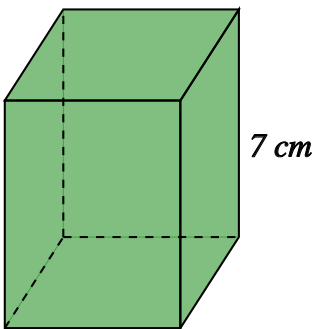
1) The solid shape shown below is made from cubes of side one centimetre.
Find the volume of the solid.

[1]



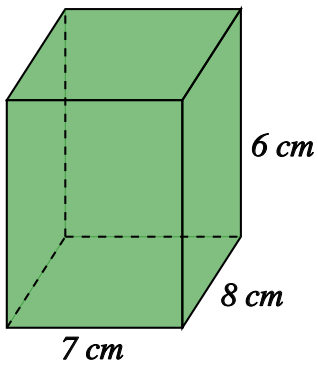
2) Find the volume of the cuboid, given that the area of the base is 18 cm^2 and the height is 7 cm

[1]



3) Find the volume of the cuboid

[1]

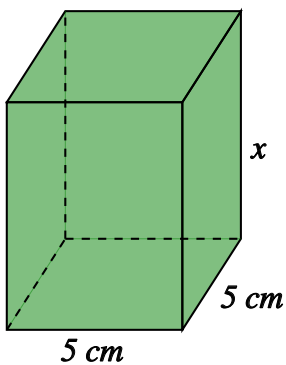


4) A cube has a length of 9 cm. Find its volume.

[1]

5) Find the missing dimension, given that the volume of the cuboid is 250 cm^3

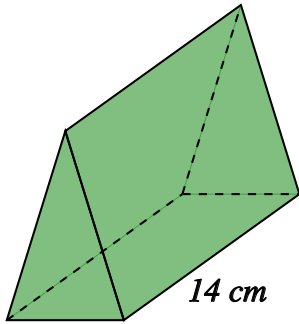
[1]



6) Find its length, given that the volume of a cube is 343 cm^3

[1]

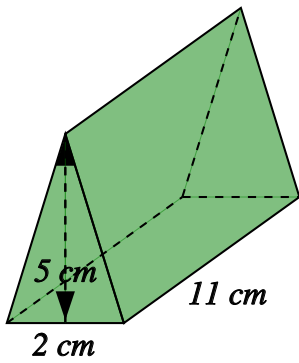
7) Find the volume of the triangular prism, given that the cross-sectional area is 4 cm^2 and the length is 14 cm



[1]

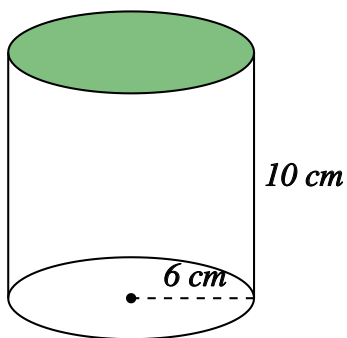
8) Find the volume of the triangular prism

[1]



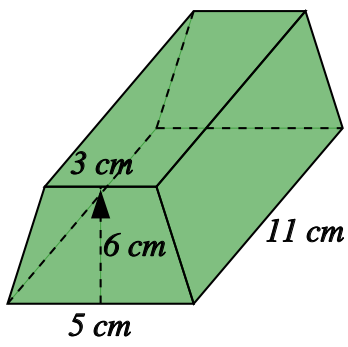
9) Find the volume of the cylinder, rounding your answer to 3 significant figures

[1]



10) Find the volume of the trapezoidal prism

[1]



Solutions for the assessment Volume of 3D shapes - basics

1) Volume = 60 cm^3

2) Volume = 126 cm^3

3) Volume = 336 cm^3

4) Volume = 729 cm^3

5) $x = 10 \text{ cm}$

6) Length = 7 cm

7) Volume = 56 cm^3

8) Volume = 55 cm^3

9) 1130 cm^3

10) Volume = 264 cm^3