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

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

5) Find the missing dimension, given that the volume of the cuboid is 250 cm³

6) Find its length, given that the volume of a cube is 343 cm³
7) Find the volume of the triangular prism, given that the cross-sectional area is 4 cm$^2$ and the length is 14 cm

8) Find the volume of the triangular prism

9) Find the volume of the cylinder, rounding your answer to 3 significant figures
10) Find the volume of the trapezoidal prism
Solutions for the assessment Volume of 3D shapes - basics

1) Volume $= 60 \text{ cm}^3$

2) Volume $= 126 \text{ cm}^3$

3) Volume $= 336 \text{ cm}^3$

4) Volume $= 729 \text{ cm}^3$

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

6) Length $= 7 \text{ cm}$

7) Volume $= 56 \text{ cm}^3$

8) Volume $= 55 \text{ cm}^3$

9) $1130 \text{ cm}^3$

10) Volume $= 264 \text{ cm}^3$