

# Year 8

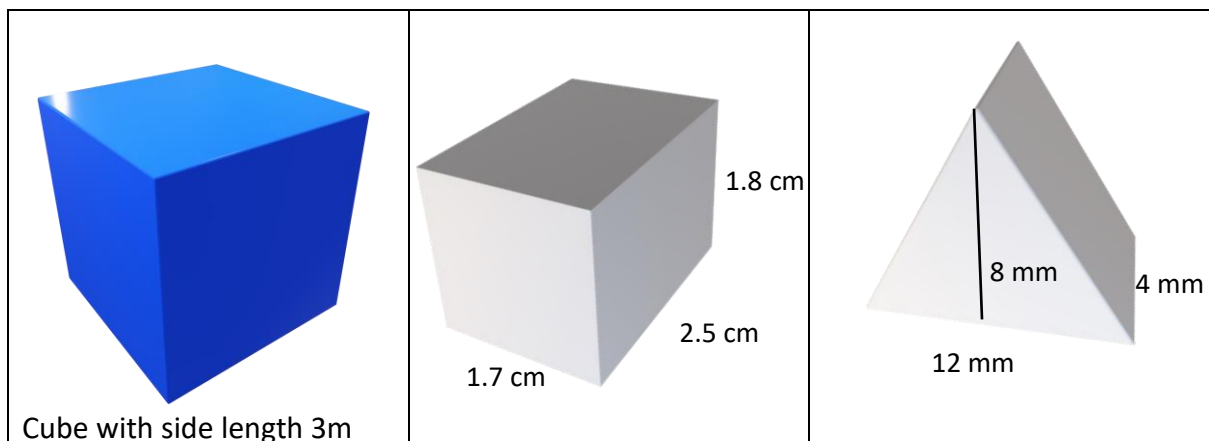
## Homework – Week 6

### Task:

- Complete all questions on a separate piece of paper
  - o Draw a labelled diagram of each problem and show all working out
- Questions are based on content to be taught during the week, and function as daily homework tasks
- To be handed in Monday week 8

### Questions:

1. Convert the following units:
  - a. 50 mL to  $\text{cm}^3$
  - b.  $4 \text{ m}^3$  to L
2. Find the volume of the following solids:



3. An Olympic swimming pool must be at least 50 metres long, and at least 2 metres deep. If a particular pool was 50 metres long, 25 metres wide, and 2.2 metres deep, find:
  - a. The volume of the pool in cubic centimetres ( $\text{cm}^3$ )
  - b. The amount of water required to fill the pool in litres (L)
4. What is the volume in cubic centimetres of a cylinder with a cross-sectional area of  $5.2 \text{ cm}^2$  and a height of 3.3 cm?
5. What time is 1321 hours in a.m./p.m.?
6. What is 2.5 hours before 9:15 p.m.?
7. How many minutes are there in an hour?

**Relevant Textbook Reference:** 4H, 4I, 4J