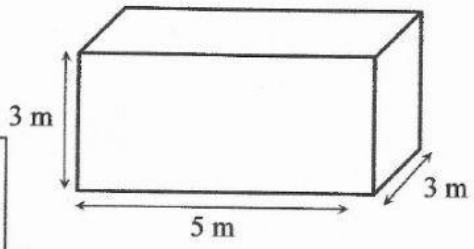
Volume

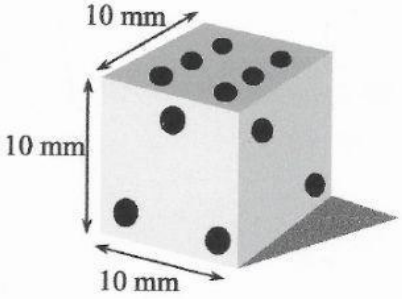
Worksheet

Work out your answer for each question in the box.

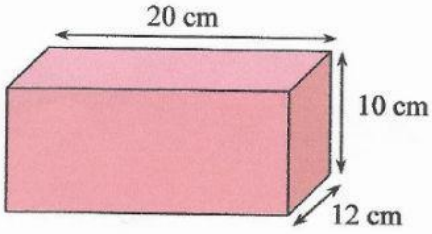
1 A heating engineer needs to work out the volume of this room.
What is its volume?



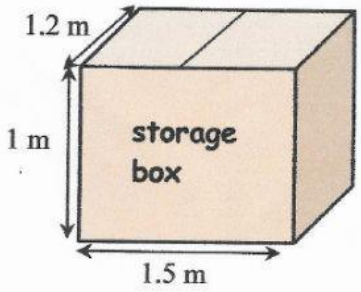
2 All the edges of this dice are 10 mm long.
What is its volume?



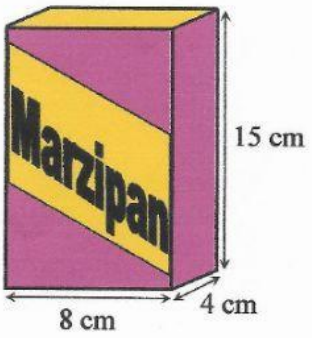
3 A brick is 20 cm long, 12 cm wide and 10 cm high.
What is its volume?



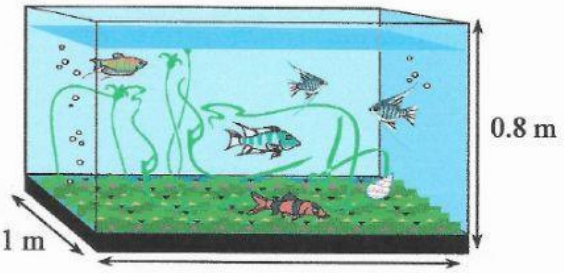
4 A storage box is 1.5 m long, 1.2 m wide and 1 m high.
Find its volume.



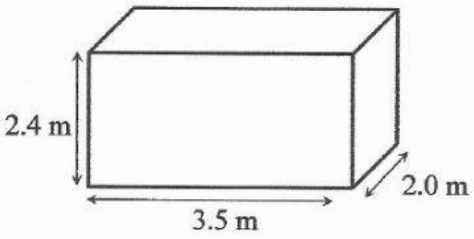
5 The diagram shows a packet of Marzipan.
What is its volume?



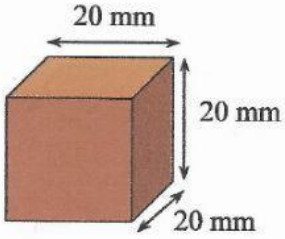
6 The diagram shows the dimensions of a fish tank.
Find its volume (capacity) in cubic metres.



7 The diagram shows the dimensions of a waste disposal container. What is its volume?

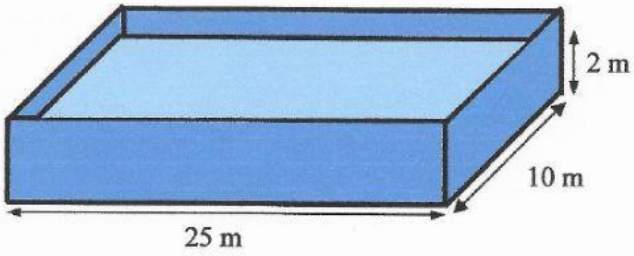


8 A stock cube is 20 mm long, 20 mm wide and 20 mm high.
Calculate its volume.

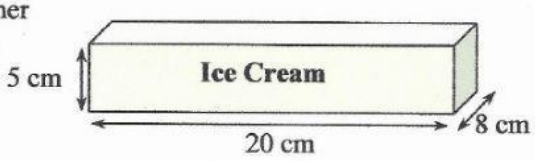


9 A carton of orange juice measures 9 cm by 6 cm by 19.5 cm.
Show that its volume is just over 1 litre.

10 A rectangular swimming pool is 25 m long and 10 m wide.
How many litres of water do you need to fill it to a depth of 2 m?



11 Ice cream mixture is poured into a container to make a block of ice cream 20 cm long, 8 cm wide and 5 cm high.



a) Find the volume of the block.
b) How many blocks can you make with 4 litres of ice cream mixture?

12 A builder plans a tarmac drive for a new house.
The drive is in the shape of a rectangle 12 metres long and 3 metres wide.
The tarmac needs to be 20 cm thick.

What volume of tarmac does the builder need?

13 A rectangular paddling pool is 2.5 m long and 2 m wide.

How many litres of water do you need to fill it to a depth of 40 cm?

14 What volume of concrete is needed for a path that is 80 metres long, 1.5 metres wide and 150 mm deep?