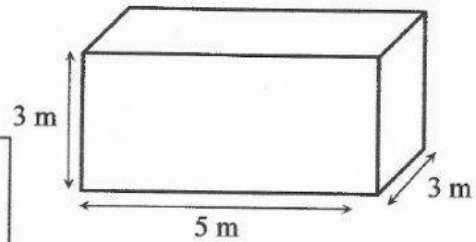


Volume

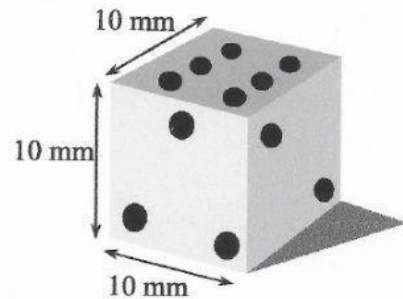
Worksheet

Work out your answer for each question in the box.

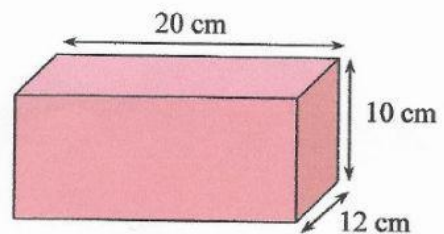
- 1 A heating engineer needs to work out the volume of this room.
What is its volume?



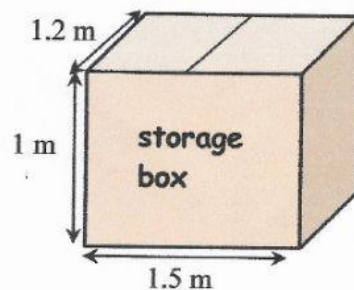
- 2 All the edges of this dice are 10 mm long.
What is its volume?



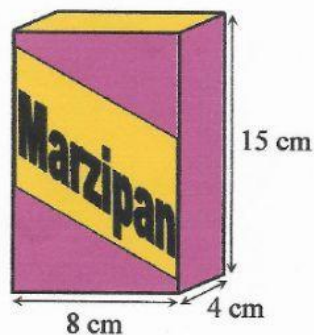
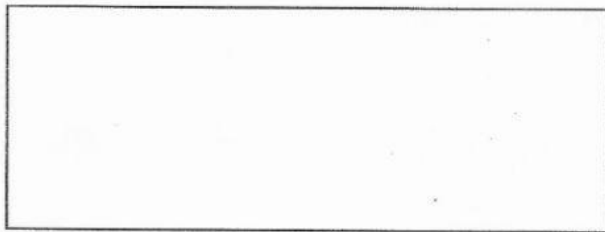
- 3 A brick is 20 cm long, 12 cm wide and 10 cm high.
What is its volume?



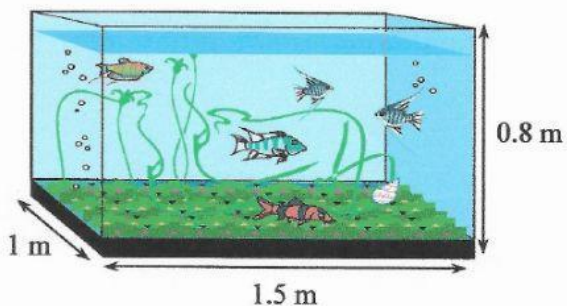
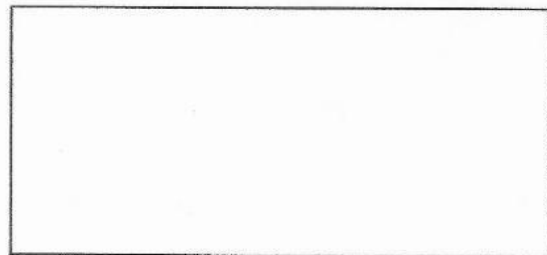
- 4 A storage box is 1.5 m long, 1.2 m wide and 1 m high.
Find its volume.



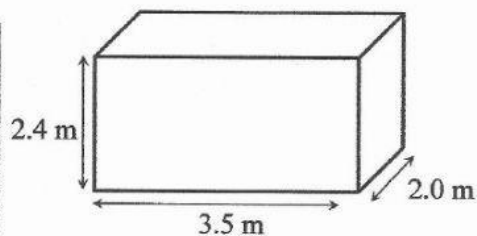
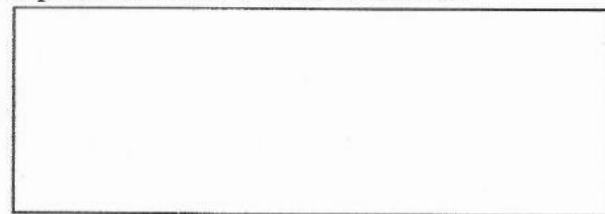
- 5 The diagram shows a packet of Marzipan. What is its volume?



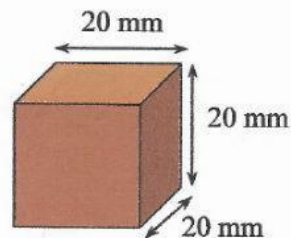
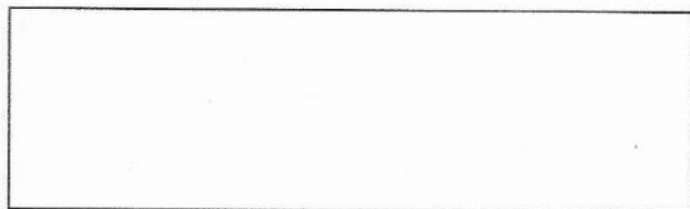
- 6 The diagram shows the dimensions of a fish tank. Find its volume (capacity) in cubic metres.



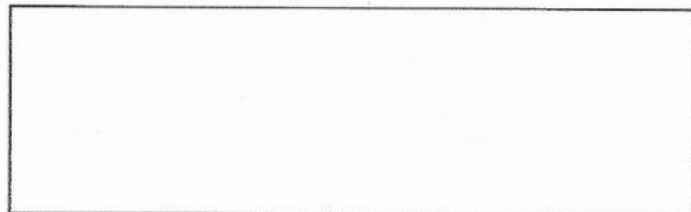
- 7 The diagram shows the dimensions of a waste disposal container. What is its volume?



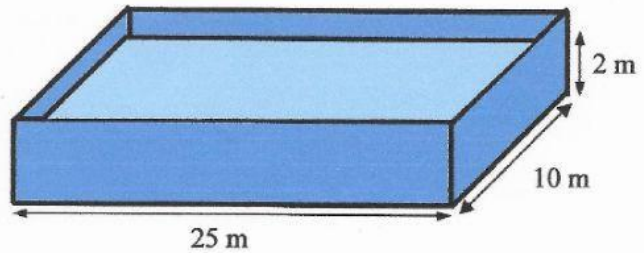
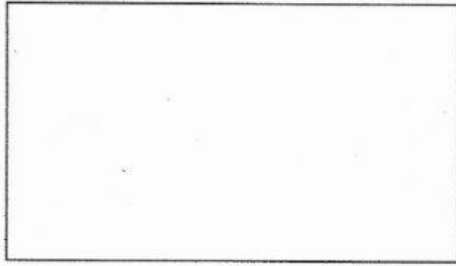
- 8 A stock cube is 20 mm long, 20 mm wide and 20 mm high. Calculate its volume.



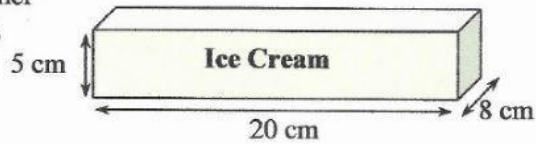
- 9 A carton of orange juice measures 9 cm by 6 cm by 19.5 cm. Show that its volume is just over 1 litre.



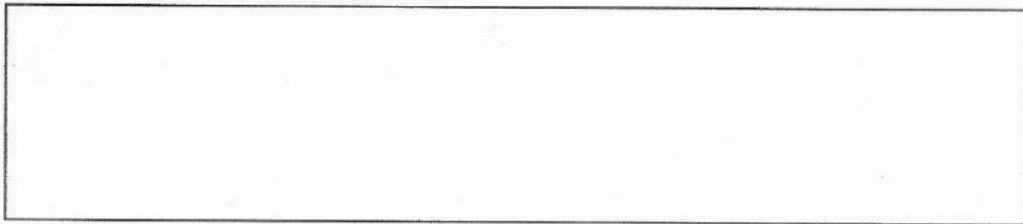
- 10 A rectangular swimming pool is 25 m long and 10 m wide.
How many litres of water do you need to fill it to a depth of 2 m?



- 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.

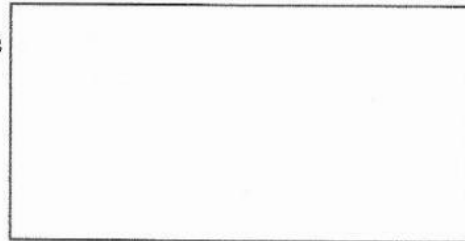


- a) Find the volume of the block.
b) How many blocks can you make with 4 litres of ice cream mixture?



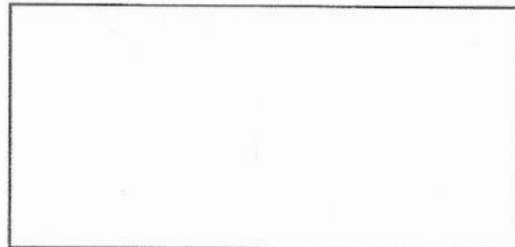
- 12 A builder plans a tarmac drive for a new house. The drive is in the shape of a rectangle 12 metres long and 3 metres wide. The tarmac needs to be 20 cm thick.

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?

