Converting metric units of area and volume

1. Fill in the gaps to convert the following measurements of area:

a. $1 \text{ cm}^2 = \text{mm}^2$ b. $3.5 \text{ cm}^2 = \text{mm}^2$ c. $7 \text{ m}^2 = \text{cm}^2$ c. $7 \text{ m}^2 = \text{cm}^2$ d. $27 \text{ mm}^2 = \text{cm}^2$ e. $143 \text{ cm}^2 = \text{m}^2$ f. $34 \text{ cm}^2 = \text{mm}^2$ g. $3\ 000\ 000\ \text{m}^2 = \text{km}^2$ h. $4.3 \text{ km}^2 = \text{m}^2$ i. $3 \text{ m}^2 = \text{mm}^2$

2. Fill in the gaps to convert the following measurements of volume:

a.	$4 \text{ cm}^3 =$	mm ³	b. 17.2 cm ³ =	mm ³
c.	12 m ³ =	cm ³	d. 5620 cm ³ =	m ³
e.	364 000 m ³ =	km³	f. 0.6 m^3 =	mm ³
e.	0.26 km ³ =	m ³	f. 7.8 mm ³ =	cm ³

- A bottle of coke contains 2 litres. Jeevan pours 300 cm³ into a cup.
 How much coke is left in the bottle in cubic centimetres?
- 4. A cuboid water tank is 4 metres tall, 4 metres long and 3 metres wide.
- a. What is the volume of the tank in cubic metres?
- b. How many litres of water will the tank hold?
- 5. A house has a loft of width 700 centimetres and length 1 100 centimetres.
 Loft insulation costs £3 per square metre.
 How much will it cost to cover the entire loft with insulation?
- 6. A swimming pool contains 375 000 litres of water. It has a base of 25 metres by 10 metres and is the same depth all over.

How deep is the pool?

