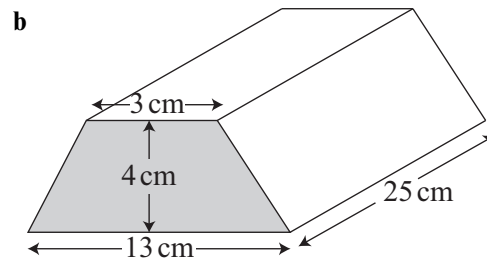
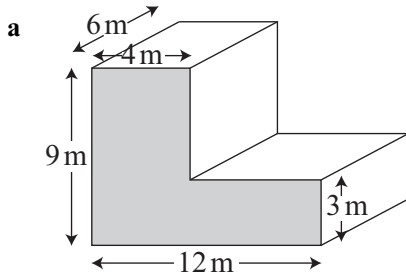


TASK 3.7

Remember $1 \text{ m}^3 = 1000 \text{ l} = 1000\,000 \text{ cm}^3$
 $1 \text{ m}^2 = 10\,000 \text{ cm}^2$

1. Find the volume of each prism below:



2. Which is the greater amount? 7.2 m^3 or $7\,090\,000 \text{ cm}^3$

3. True or false? $6.3 \text{ m}^2 = 630 \text{ cm}^2$

4. A rectangular tank has a length of 8 m and a width of 6 m. How high is the tank if it can hold 240 000 litres of water when full?

5. Copy and complete

a $4 \text{ m}^3 = \square \text{ cm}^3$

b $2.9 \text{ m}^3 = \square \text{ cm}^3$

c $8 \text{ m}^2 = \square \text{ cm}^2$

d $7.48 \text{ m}^2 = \square \text{ cm}^2$

e $6\,000\,000 \text{ cm}^3 = \square \text{ m}^3$

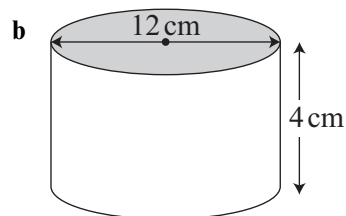
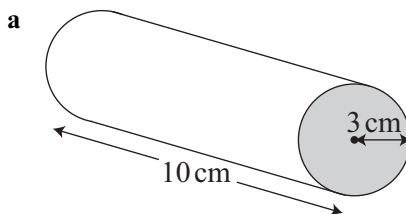
f $6 \text{ m}^3 = \square \text{ litres}$

g $6\,000\,000 \text{ cm}^2 = \square \text{ m}^2$

h $5.16 \text{ m}^3 = \square \text{ litres}$

i $38\,000 \text{ cm}^2 = \square \text{ m}^2$

6. Find the 'exact' volume of each prism below, leaving your answers in terms of π .



7. A pipe of diameter 8 cm and length 3 m is half full of water. How many litres of water are in the pipe?

