

The volume of a shape is simply the "amount of space" it takes up.

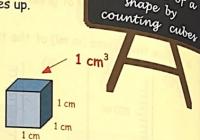
One unit of volume we use is the "cubic centimetre".

The small cube shown measures 1 cm by 1 cm by 1 cm,

It has a volume of 1 cubic centimetre.

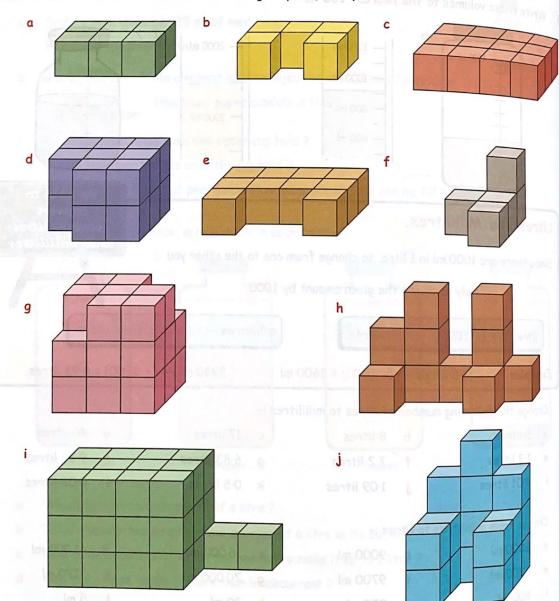
or for short :-

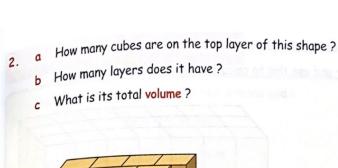
1 cm³

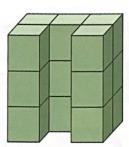


Exercise 3

1. State the volume of each of the following shapes, (in cm³):-



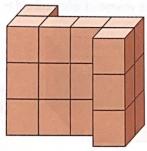




- a How many cubes are on the top layer of this shape?b How many layers does it have?
- c What is its total volume?



3.



5. By working out the volume of the top layer first, calculate the total volume (in cm³) of each of the following shapes:
a

b

c

hollow

d

E Book 2a - Chapter 13c

this is page 135