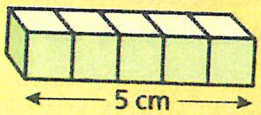
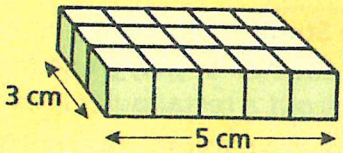
Nature First products

Nature First produce bath cubes.
Each bath cube has a volume of 1 cm^3.
This row of bath cubes has a volume of 5 cubic centimetres or 5 cm^3.

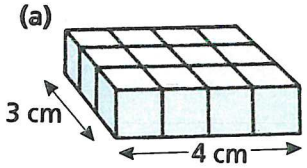


This layer has 3 rows of bath cubes.
The volume of the layer is 5×3
$= 15\ cm^3$

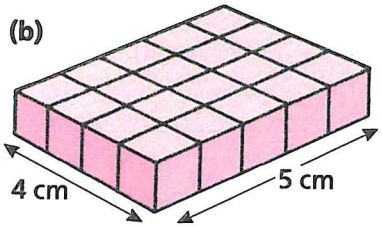


1 Find the volume, in cm^3, of each of these layers of bath cubes.

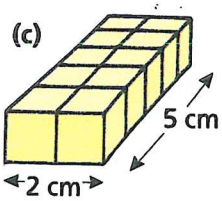
(a)



(b)

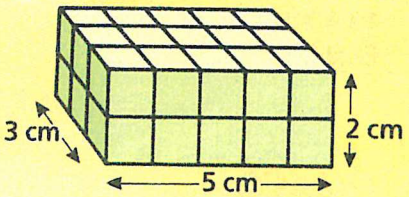


(c)



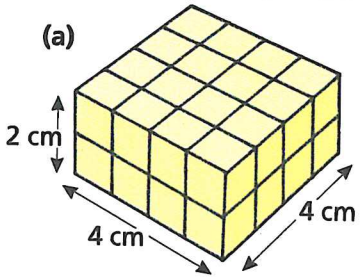
This box of bath cubes has 2 layers.

The volume of 1 layer is $5 \times 3 = 15\ cm^3$
The volume of 2 layers is $15 \times 2 = 30\ cm^3$

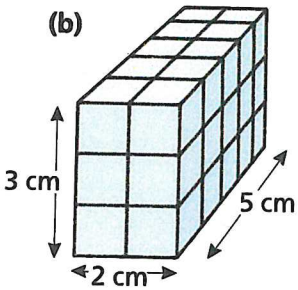


2 Find the volume, in cm^3, of each of these boxes of bath cubes.

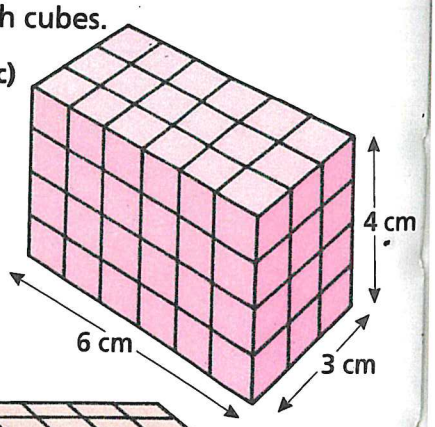
(a)



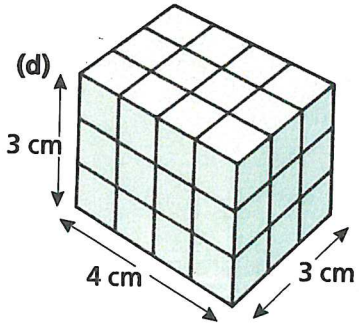
(b)



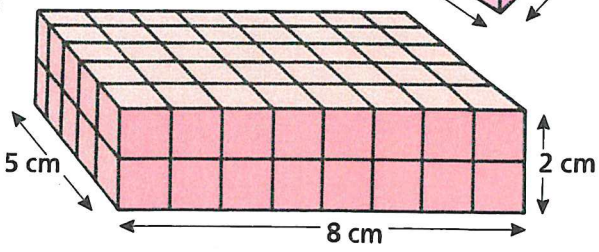
(c)



(d)



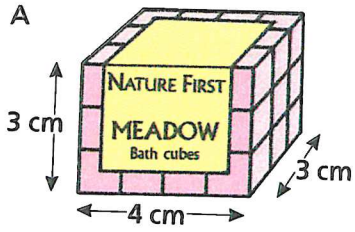
(e)



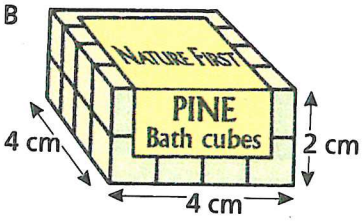
3 A cuboid has a volume of 30 cm^3. How many cubes in each row and how many rows in each layer does it have if there are
(a) 2 layers (b) 3 layers (c) 5 layers?

1 These cuboids are built from centimetre cubes.

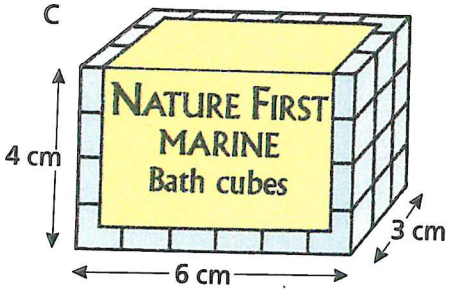
A



B



C



Copy and complete the table.

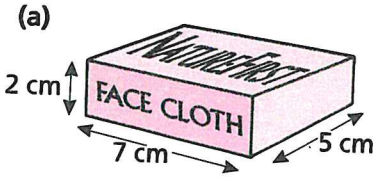
Cuboid	Number of cubes in a row	Number of rows	Number of layers	Volume in cm^3
A	4	3	3	
B				
C				

length × breadth × height = Volume

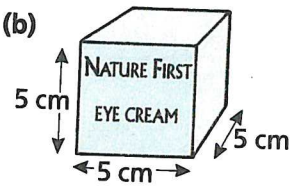
For every cuboid, V = l × b × h

2 Find the volume, in cm^3, of each of these cuboids.

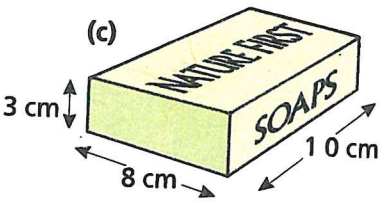
(a)



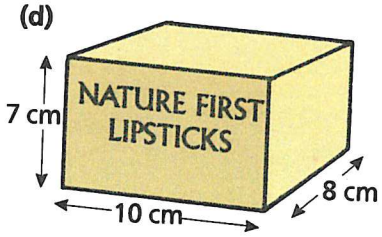
(b)



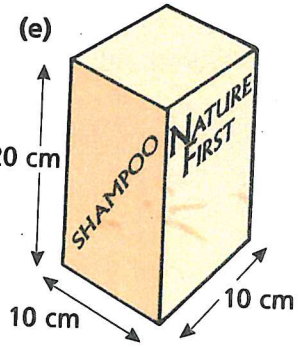
(c)



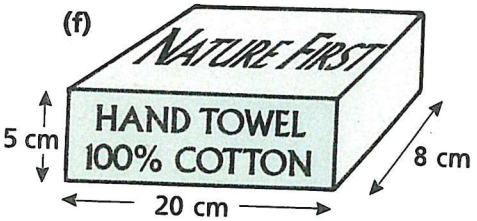
(d)



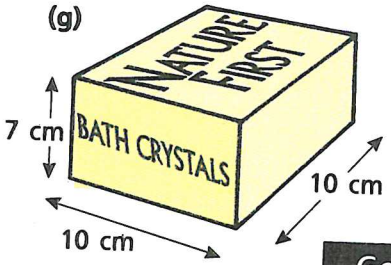
(e)



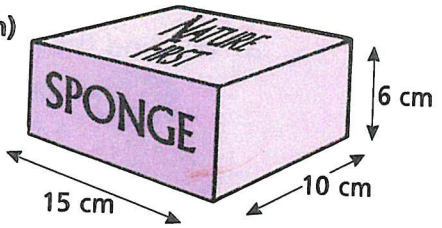
(f)



(g)



(h)



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