lume of cuboids

Iculate the volume of cuboids using 1 cm³ cubes



You will need:

• 1 cm interlocking cubes

Work out the volume of each cuboid by the number of 1 cm cubes in each layer.

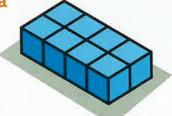


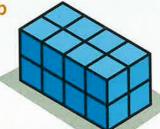


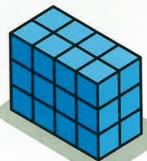
1 layer of 4 cubes Volume = 4 cm^3

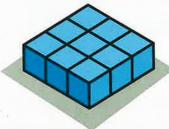


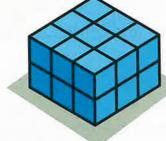
2 layers of 4 cubes Volume = $4 \text{ cm}^3 \times 2$ $= 8 \text{ cm}^3$



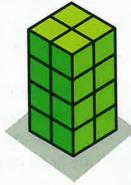




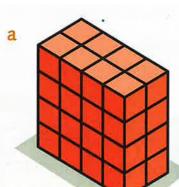


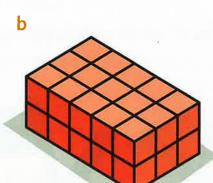


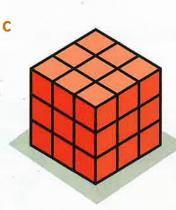
Calculate the volume of this cuboid by counting the number of 1 cm cubes in each layer.



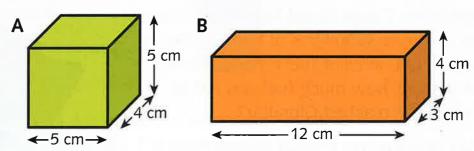
2 Calculate the volume of each cube or cuboid by counting the number of 1 cm cubes.



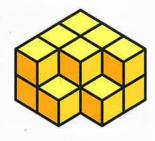




- Build each cuboid using 1 cm interlocking cubes.
 - Calculate the volume of each cuboid in cubic centimetres.



- 4 This shape can be turned into a cuboid by adding some 1 cm cubes.
 - Estimate the least number of 1 cm cubes you will need.
 - Build the cuboid.
 - Calculate its volume in cubic centimetres.



Estimate the least number of cubes you will need to make:

- shape A into a cube
- b shape B into a cuboid.

