

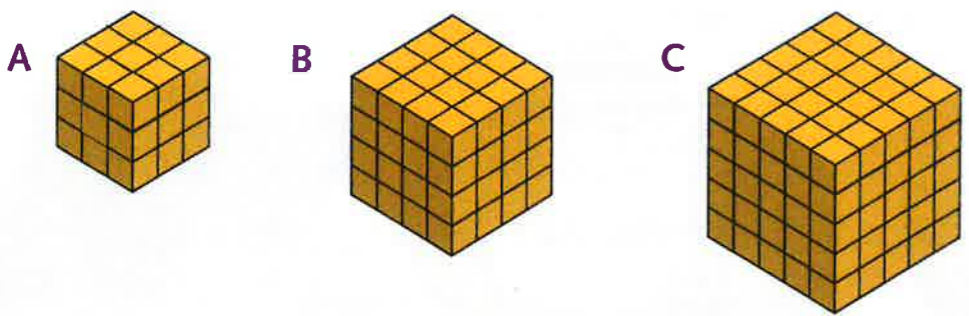
# Volume of cubes and cuboids

Calculate the volume of cubes and cuboids using the rule  $V = l b h$



Challenge

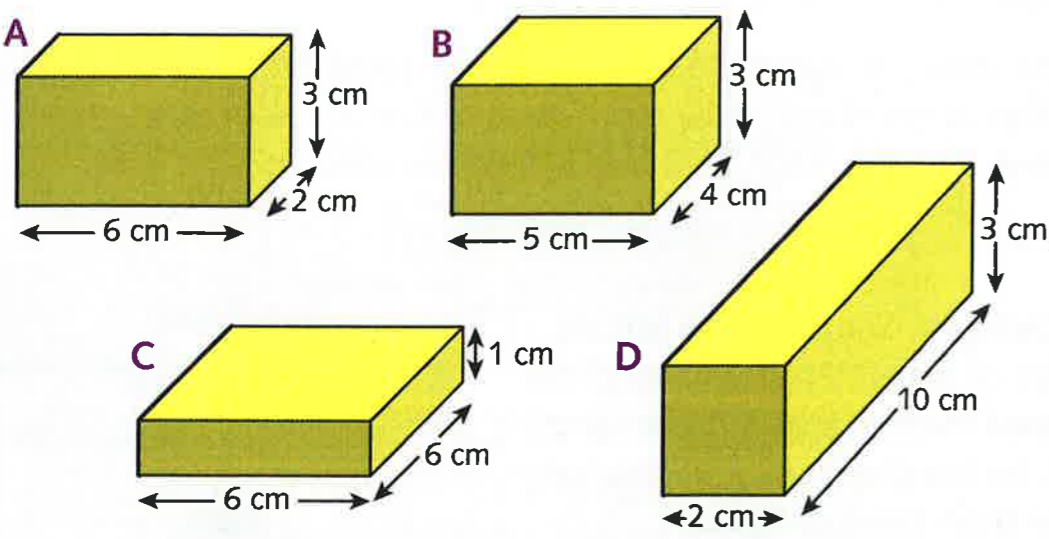
1 Each cube is made with  $1 \text{ cm}^3$  cubes. Calculate the volume of these cubes using the rule  $V = l b h$ .



**Example**

$V = l b h$   
 $= 2 \times 2 \times 2$   
 $= 8 \text{ cm}^3$

2 The arrows show the length, breadth and height of each cuboid. Calculate the volume of these cuboids using the rule  $V = l b h$ .

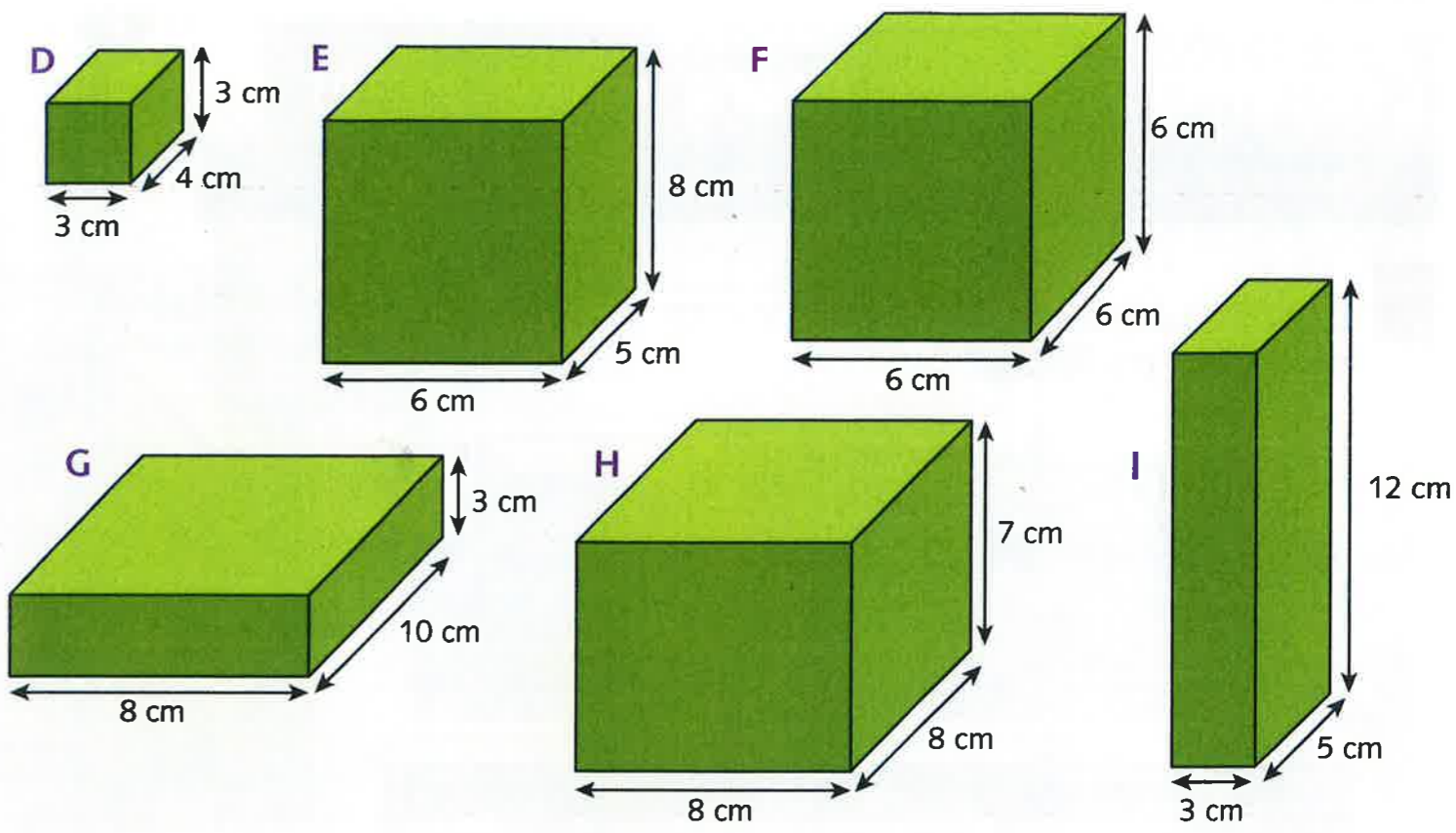
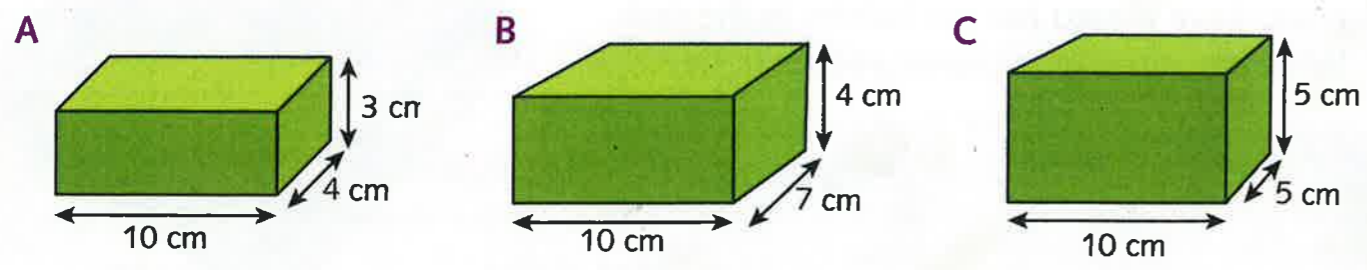


**Example**

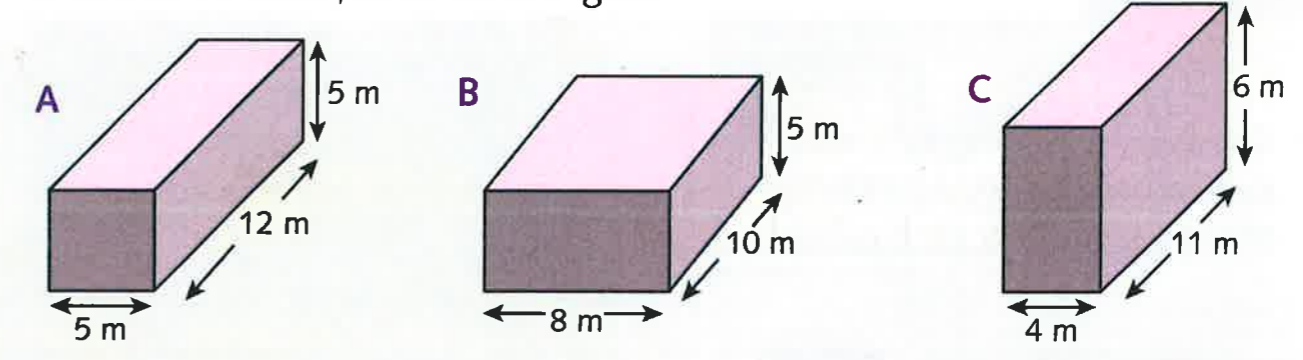
$V = l b h$   
 $= 5 \times 2 \times 3$   
 $= 30 \text{ cm}^3$

Challenge

1 Calculate the volume of these cubes and cuboids using the rule  $V = l b h$ .

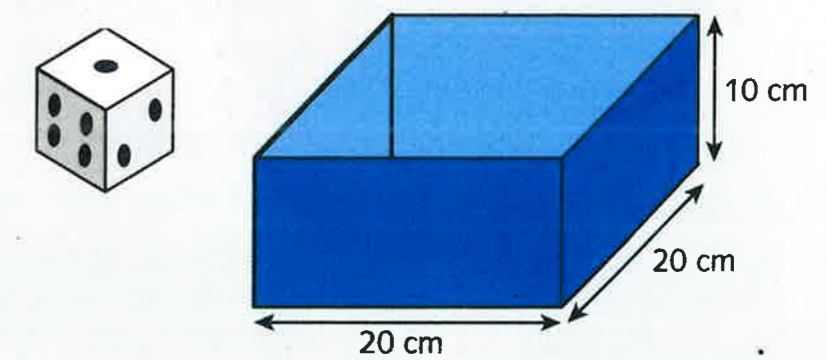


2 Calculate the volume of these large containers in cubic metres. Write them in order, smallest to largest.



Challenge 3

1 A normal 1-6 dot dice has edges of 2 cm. Work out how many dice will fit into this box.



2 A cube has edges of 4 cm. Draw a diagram of a cuboid that will hold 100 of these cubes. Label the dimensions to show its length, breadth and height.

