Name: _____ Date: _____

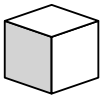
Investigating cuboids

Calculate the volume of cuboids using 1 cm^3 cubes

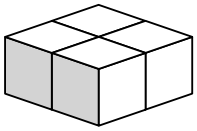
This set of cuboids is made using interlocking cubes.

You will need:
- ruler

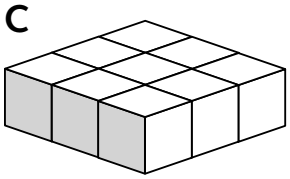
A



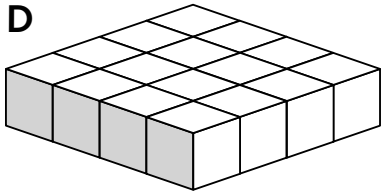
B



C



D



Challenges 1, 2, 3

Work out the volume of cuboids A to D and record your answers in the table.

Challenges 2, 3

Look for a pattern in the table, and use it to work out the volume of the next two cuboids in the sequence, E and F. Complete the table.

	Volume of cuboid			
	Length	**Breadth**	**Height**	**Volume**
A	cm	cm	cm	cm^3
B				
C				
D				
E				
F				

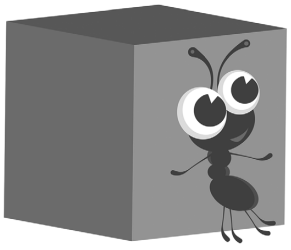
Challenge 3

a Cube Y measures 4 cm × 4 cm × 4 cm.

The volume of cube Y = ☐ cm^3.

b How many times will cuboid D fit into cube Y?

☐ times.



Investigate how stock cubes, sugar cubes, dice or other small cubes fit into their box by measuring the dimensions of the box and the shapes to the nearest millimetre. Record your findings on the back of this sheet.

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