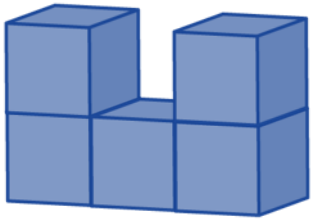
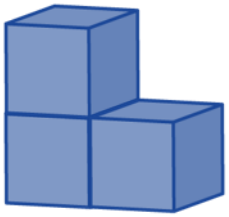
WHAT IS VOLUME?

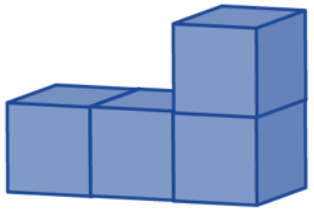
GET READY

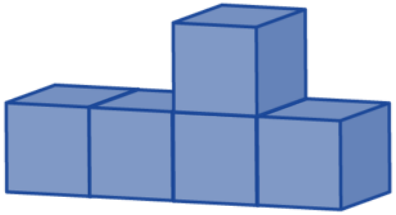
White Rose Maths

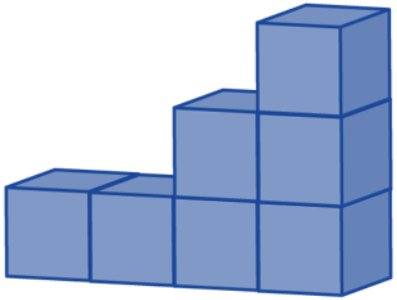
How many cubes are needed to create these 3-D shapes?



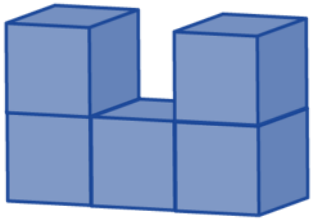




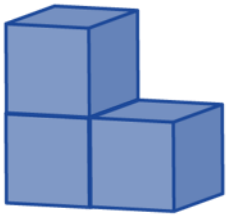




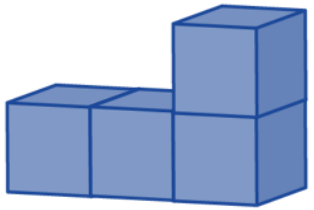
How many cubes are needed to create these 3-D shapes?



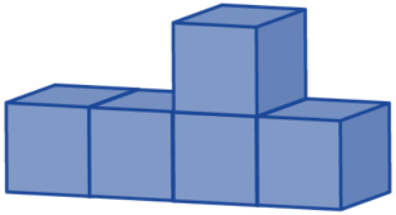
5 cubes



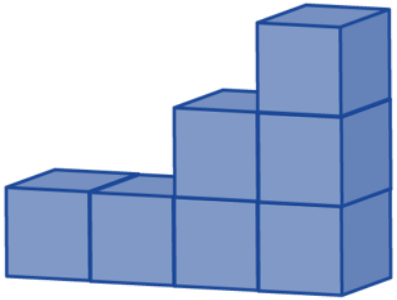
3 cubes



4 cubes



5 cubes

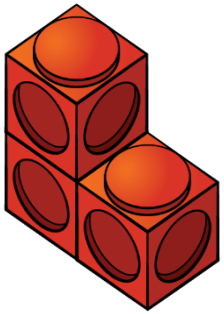


7 cubes

LET'S LEARN

White Rose Maths

= 1 cube



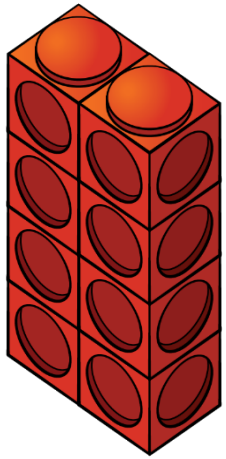
= 3 cubes

Volume = 3 cubes

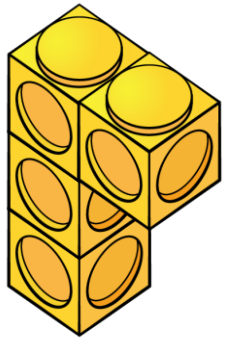
Volume is the amount of space an object or liquid takes up.

Have a think

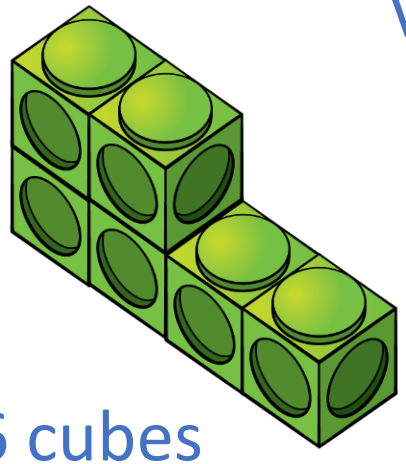
What is the volume of each 3-D shape?



Volume = 8 cubes



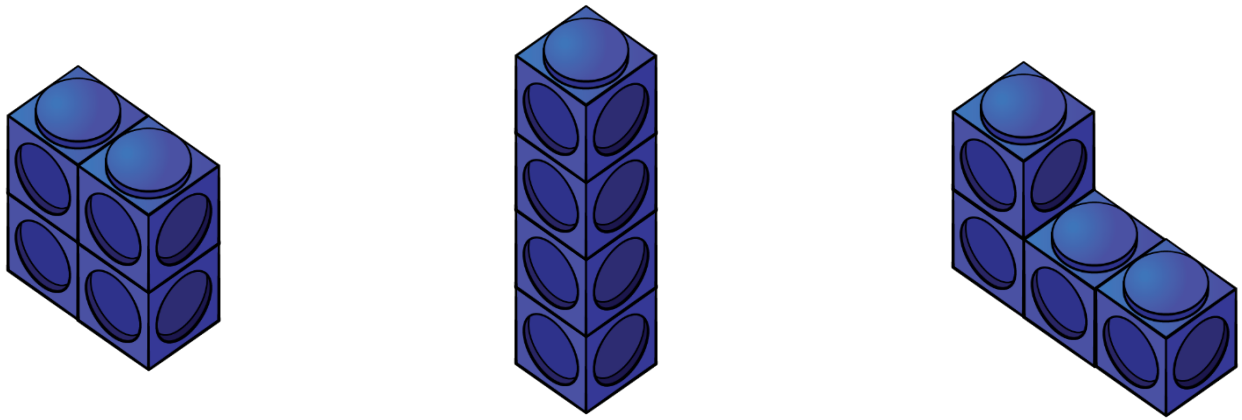
Volume = 4 cubes



Volume = 6 cubes

Have a think

What's the same and what's different about these 3-D shapes?



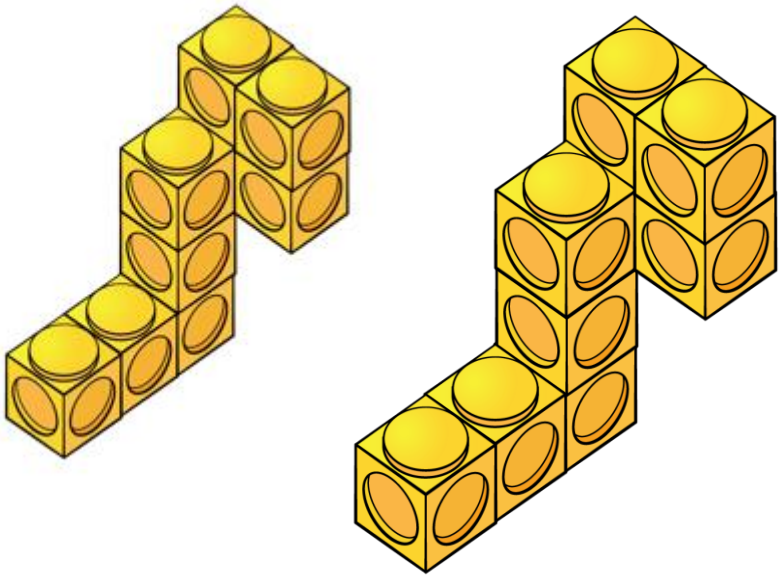
The volume of each 3-D shape is 4 cubes.

The cubes have been arranged differently.

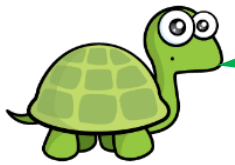
YOUR TURN

Have a go at questions
1 - 2 on the worksheet

White Rose Maths



Have a think

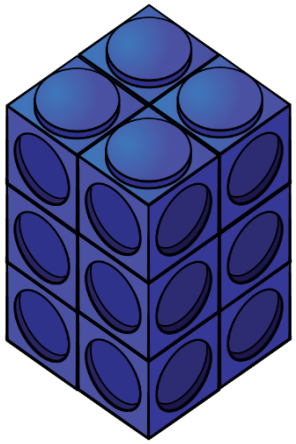


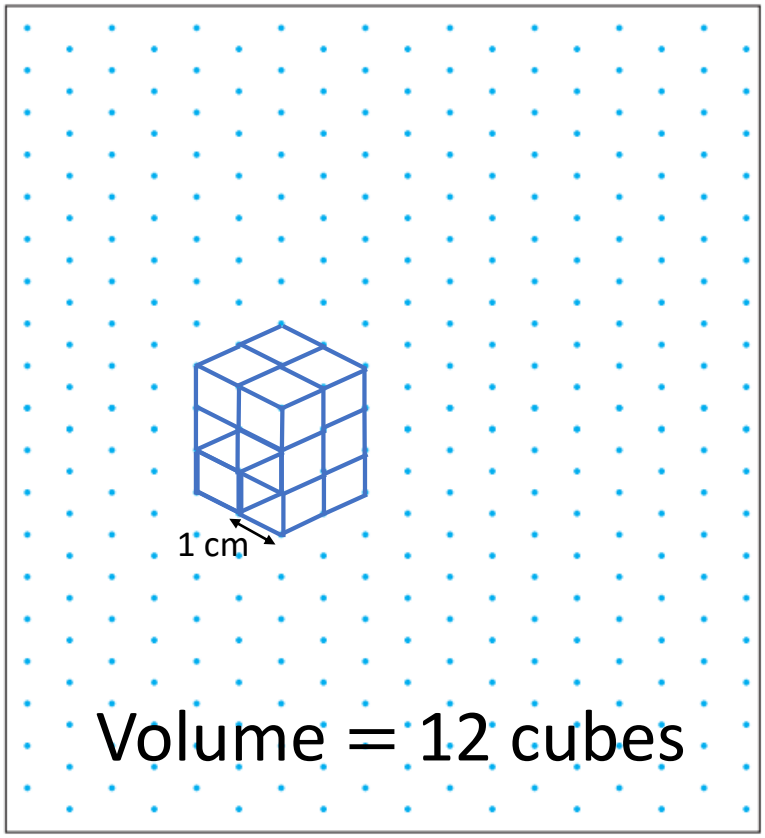
The volume of this 3-D shape is 8 cubes.

Volume = 9 cubes

Have a think

How many cubes are needed to make the cuboid?





Volume = 12 cm^3

YOUR TURN

Have a go at questions 3 - 6 on the worksheet

White Rose Maths