

Mathematics

Counting cubes 2

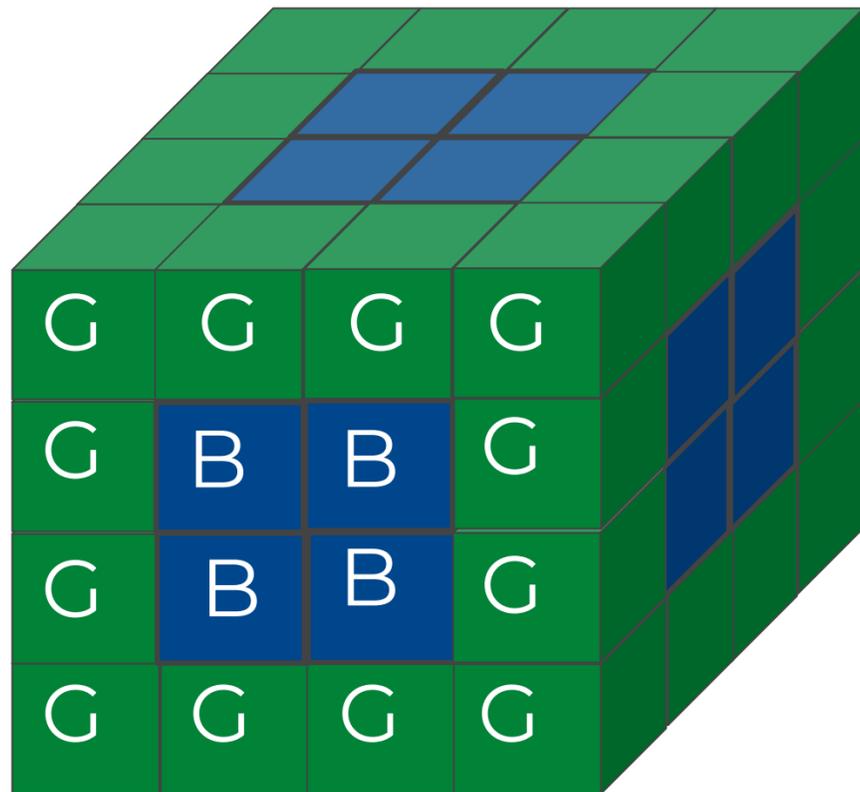
Downloadable Resource

Mrs Buckmire

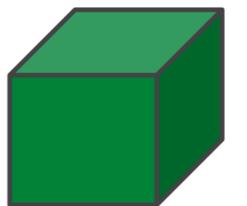
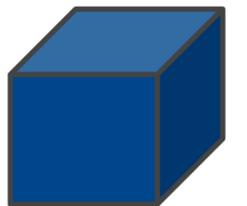


Try this

Yasmin has built this cube out of smaller green and blue cubes.



- How many blue cubes could there be?
- What if the cube is the same on all sides and the inside is hollow?
- What if the cube is the same on all sides and the inside is full of blue cubes?

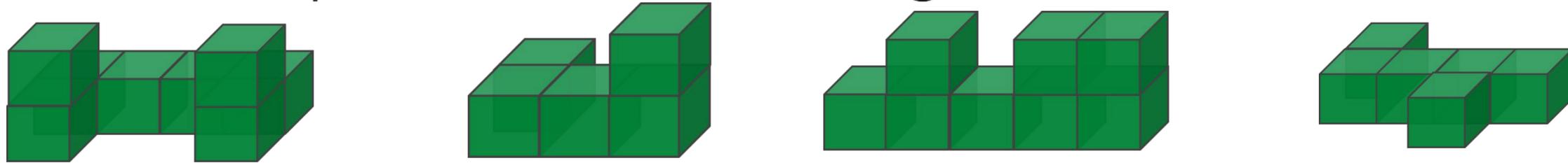


Return to the video once completed

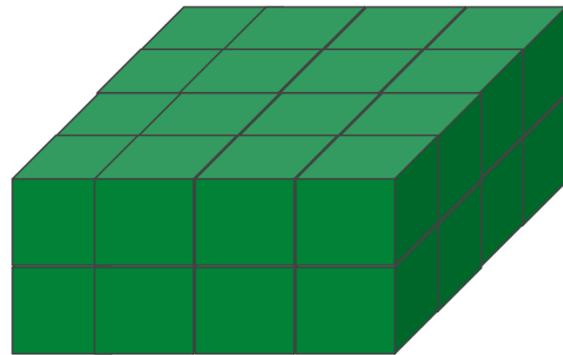


Independent task

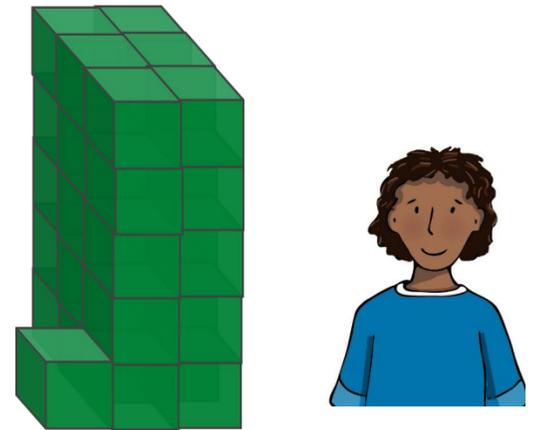
1. Order these shapes from lowest to highest volume



2. What is the volume of this cuboid?



3. Zaki thinks his shape has a greater volume than the one in question 2 because it is taller. Do you agree?



4. How many different cuboids can you make with a volume of 12 cm^3 ?

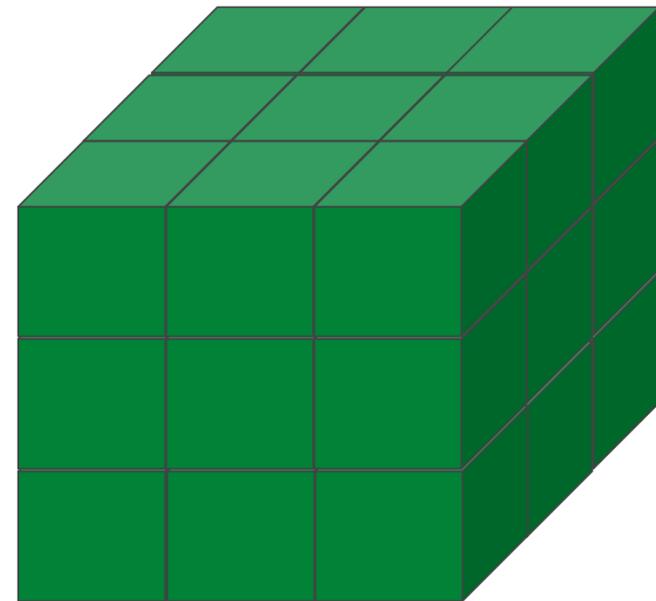
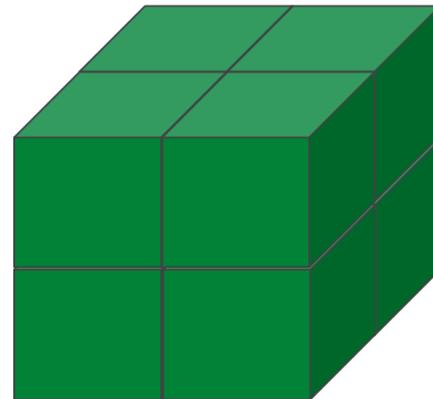
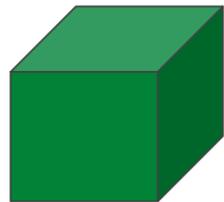
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Explore

Find the volume of these cubes.

What comes next in this pattern?



How many cubes are in the 10th shape in this pattern?

Return to the video once completed

