

Mathematics

# Surface Area Conjectures

## Downloadable Resource

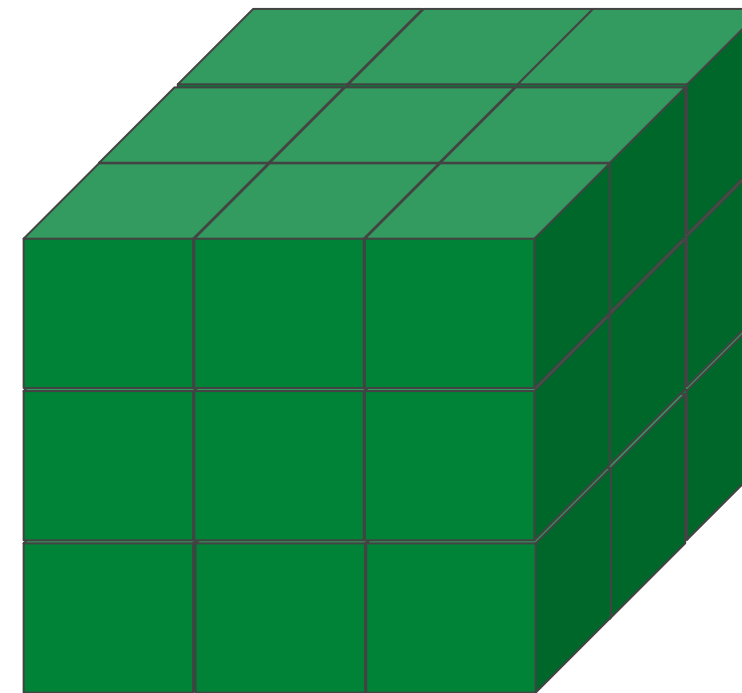
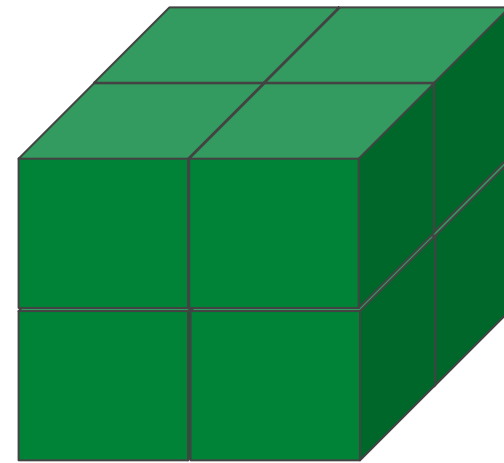
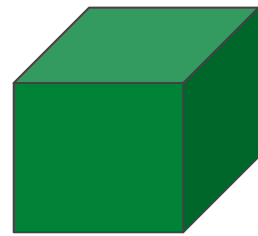
Mrs Buckmire



## Try this

Find the surface area of these cubes.

What comes next in this pattern?



What is the surface area of the 10<sup>th</sup> shape in this pattern?

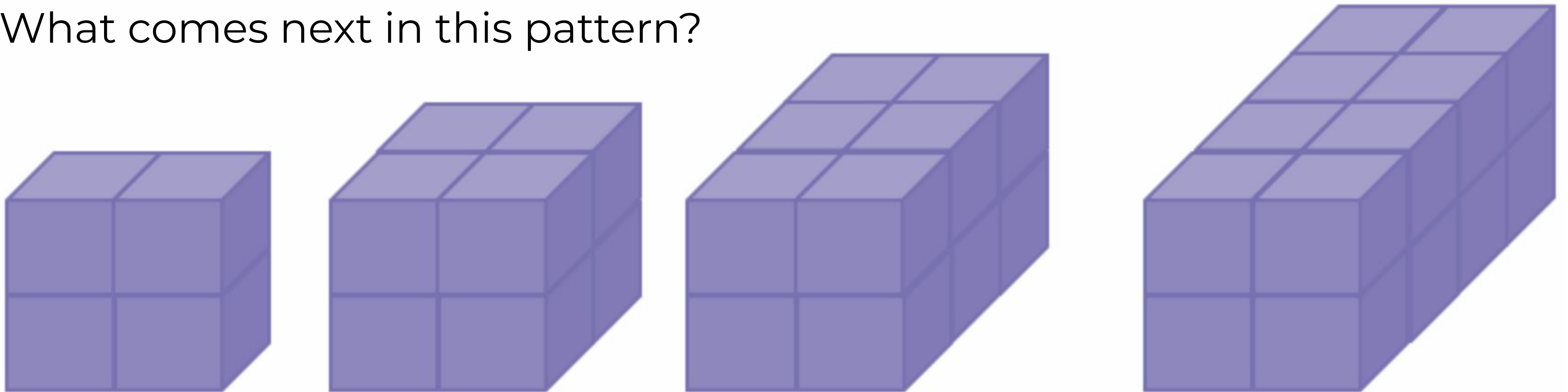
Return to the video once completed



# Independent task

Find the surface area of these cubes.

What comes next in this pattern?



What is the surface area of the 10<sup>th</sup> shape in this pattern?

Return to the video once completed

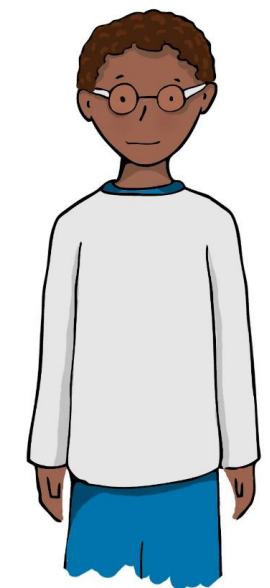
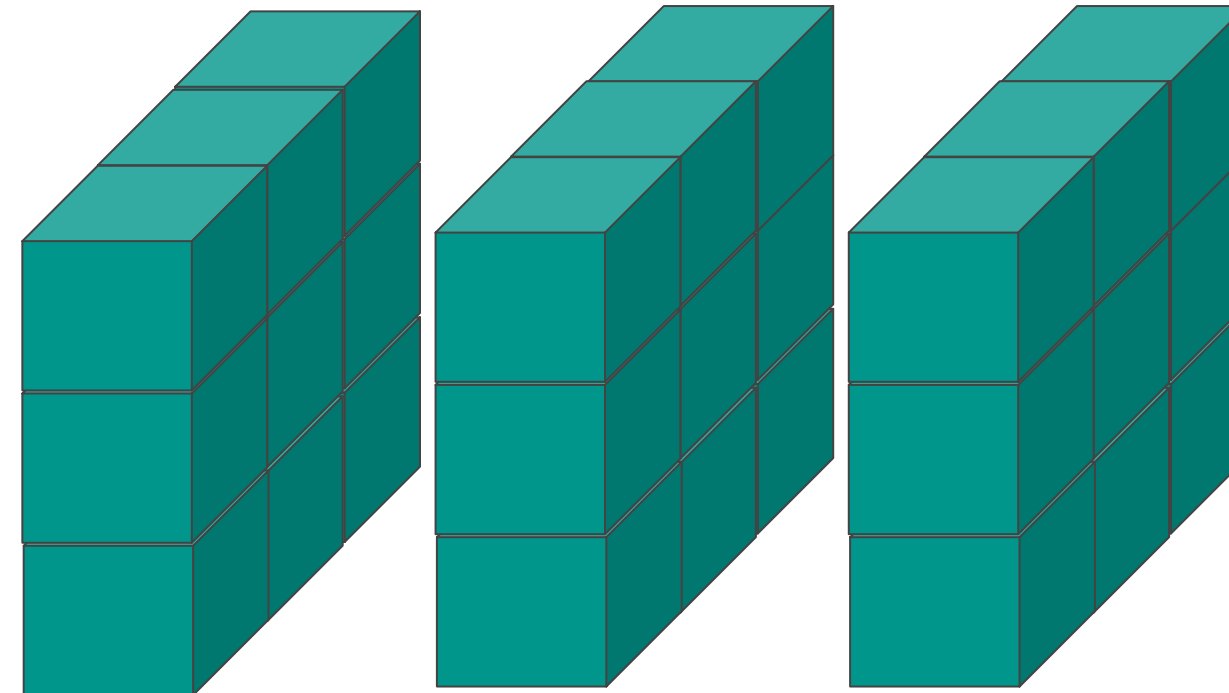
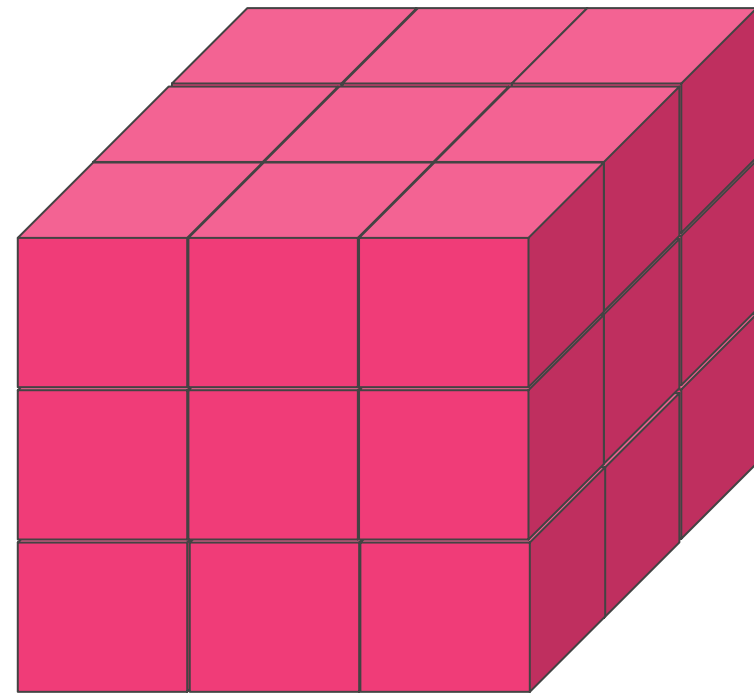
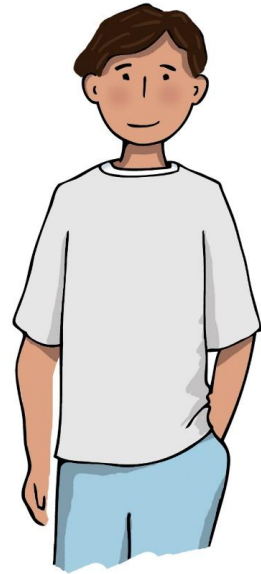


# Explore

Do you agree or disagree with these statements?

The volume of this shape is  $27 \text{ cm}^3$

So the volume of each of these shapes is  $27 \text{ cm}^3 \div 3$



The surface area of this shape is  $54 \text{ cm}^2$

The surface area of each shape is  $54 \text{ cm}^2 \div 3$

Return to the video once completed

