

COMPARE VOLUME

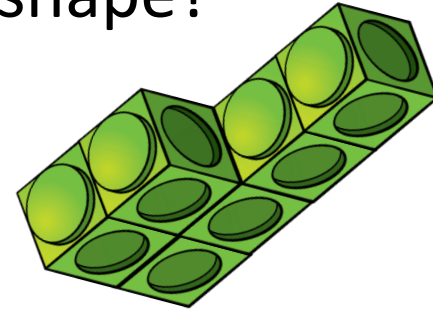


GET READY



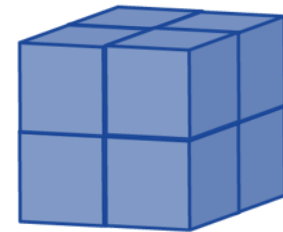
1 a) What is the volume of this shape?

_____ cubes



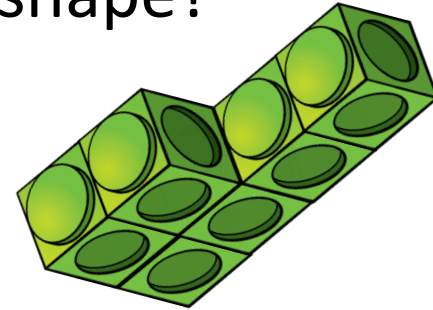
b) The length of each face of each cube is 1 cm.
What is the volume of the shape in cm^3 ?

2) What is the volume of this shape?



1 a) What is the volume of this shape?

6 cubes

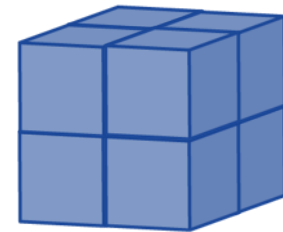


b) The length of each face of each cube is 1 cm.
What is the volume of the shape in cm^3 ?

6 cm^3

2) What is the volume of this shape?

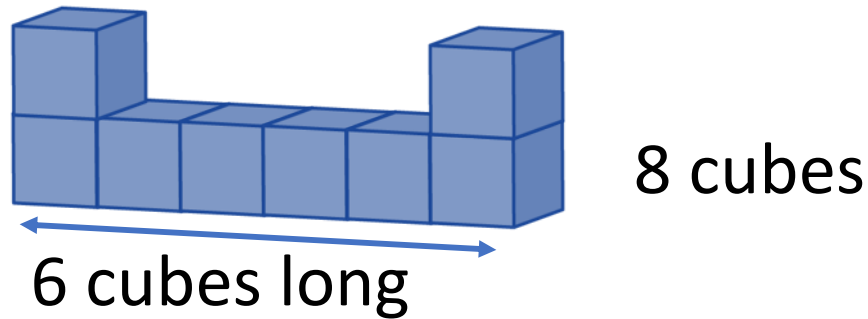
8 cubes



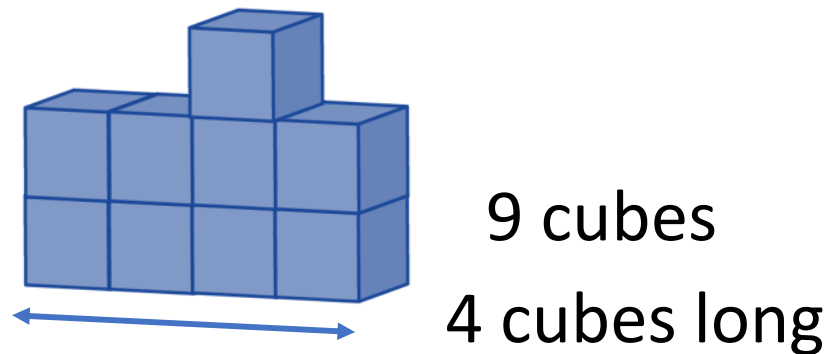
LET'S LEARN



Eva creates this shape.

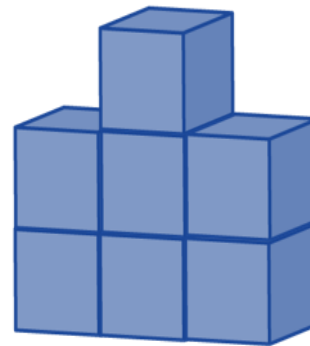
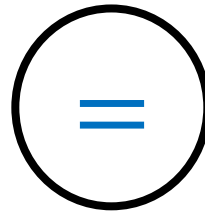
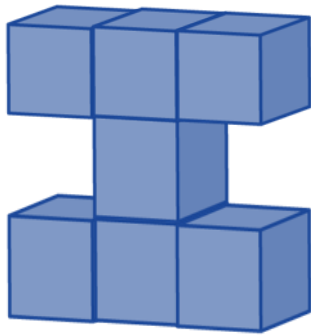
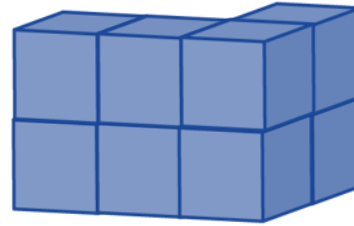
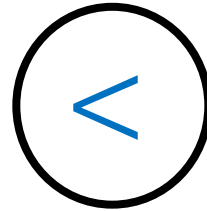


Jack creates this shape.



Eva's shape has the greater volume because it is longer.

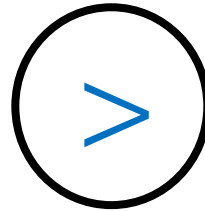
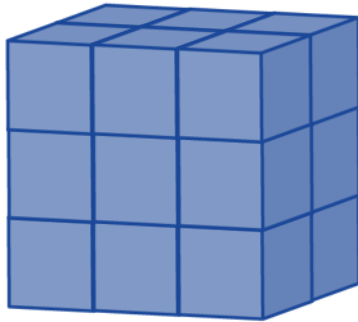
Have a think



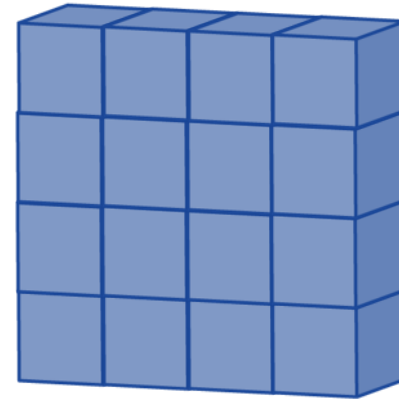
Have a think



18 cubes



16 cubes

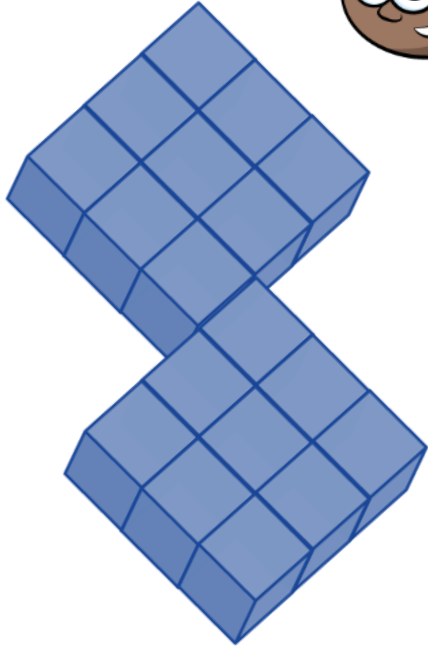


YOUR TURN

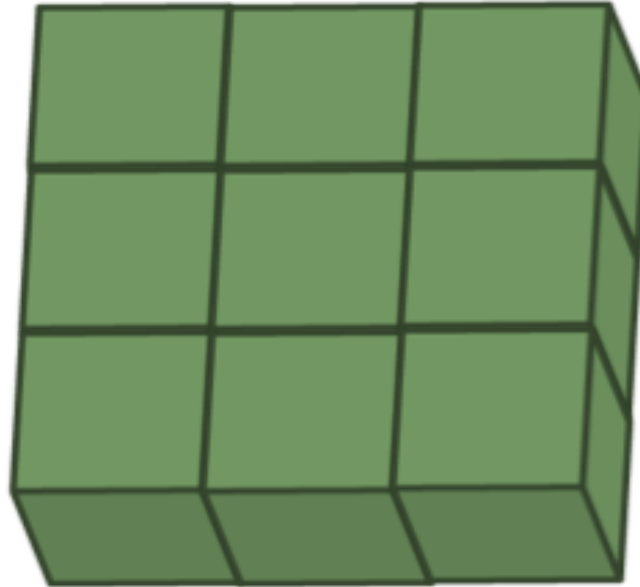
Have a go at questions
1 - 2 on the worksheet



Mo makes this shape.



Using different cubes,
Annie makes this shape.

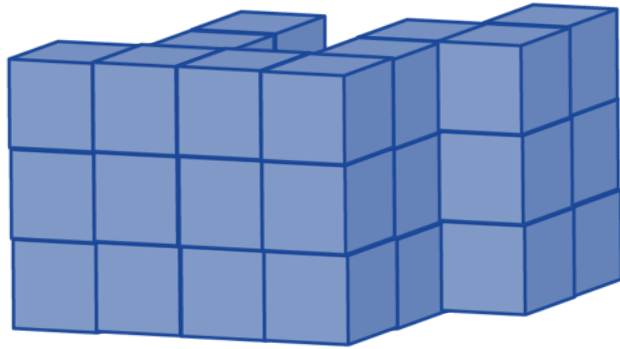


Have a think



Mo has used more cubes than Annie.

Explain why Annie's shape has a greater volume.



1 layer = 10 cubes

3 layers

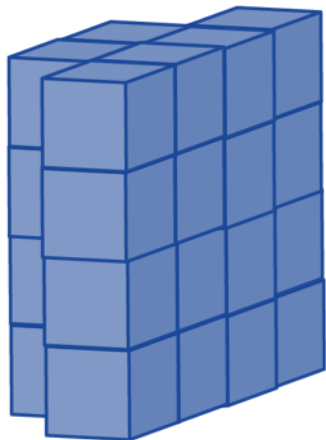
$3 \times 10 = 30$ cubes

Each cube is 1 cm long.

What is the volume of the shape? cm^3

Each cube is 1 cm long.

Have a think



1 layer = 6 cubes

4 layers

$4 \times 6 = 24$ cubes

What is the volume of the shape?

cm^3

YOUR TURN

Have a go at questions
3 - 6 on the worksheet

