

WALT: compare volume.


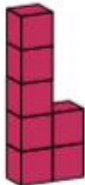

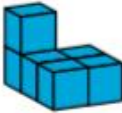

Please choose one sheet that will challenge you to complete.


1 = unsure 2= I feel alright and 3 = confident.

If you start a sheet and it isn't challenging you, move to the next sheet.

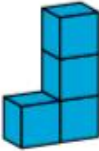
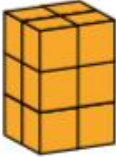
1)


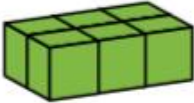
1) Put these shapes in order, from smallest volume to greatest volume:

A  B  C  D  E 



2) Use greater than and less than symbols to compare the following:

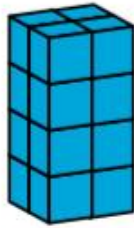
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2)

1) Look at this shape:



Investigate how many shapes you can make with the same volume.

2) I have two shapes made from 1cm cubes.

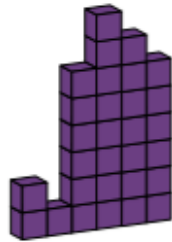
Shape A has a volume of 14cm^3 .

Shape B has sides 3cm long, 2cm wide and 3cm tall.

Draw or make a shape which is bigger than A, but smaller than B.

3)

1) This is Greg's shape:



Laurel's shape is made from 1cm cubes. It is 2cm long and 4cm wide.

Greg says, "Laurel's shape can't have the same volume as mine."

Is he correct? Convince me.

2) Shape A has a greater volume than shape B.
Shape B has a greater volume than shape C.
All the shapes are cuboids.

Fill in the table with possible measurements for each shape:

Shape	Length	Width	Height
A	3cm		6cm
B		8cm	
C	20cm		