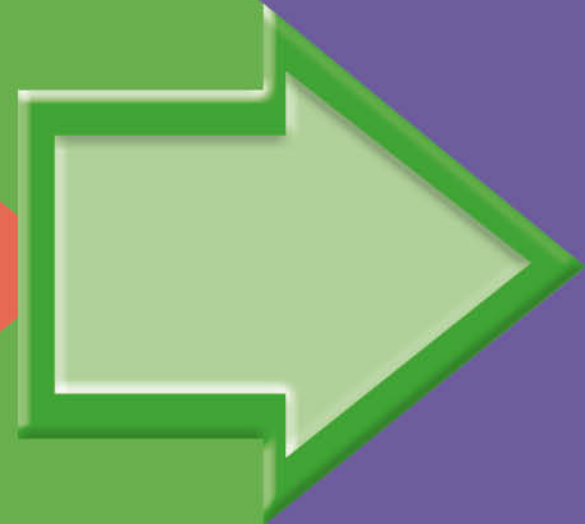


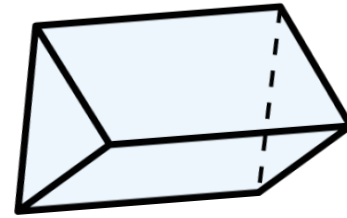
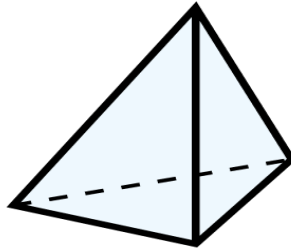
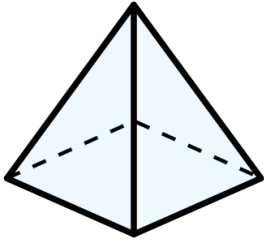
# MAKE 3-D SHAPES



**GET READY**

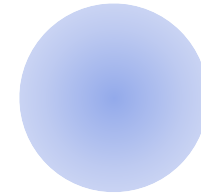
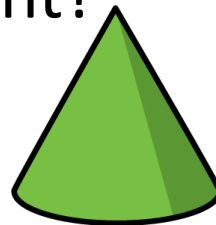
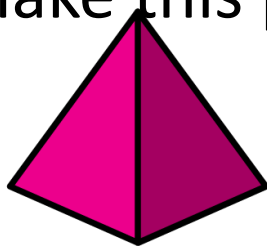
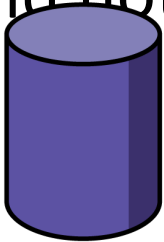


1) Can you name these 3D shapes?

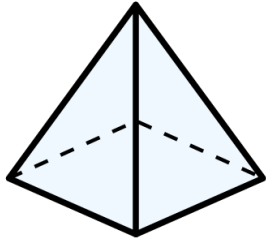


2) How many square faces does a cube have?

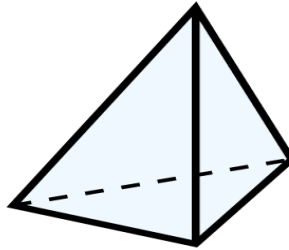
3) Which of the 3D shapes below did not make this print?



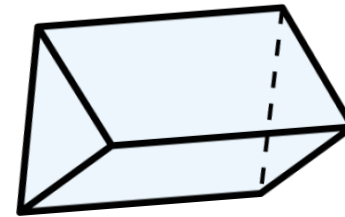
1) Can you name these 3D shapes?



square-based  
pyramid



triangular-  
based pyramid

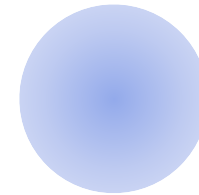
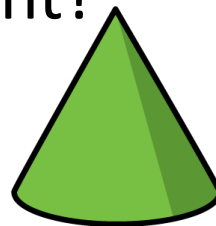
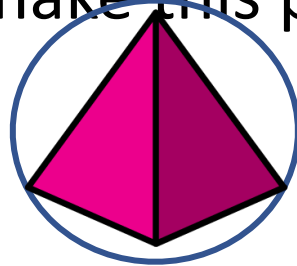
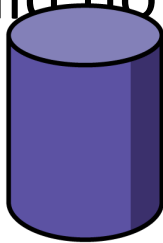


triangular  
prism

2) How many square faces does a cube have?

6

3) Which of the 3D shapes below did not make this print?



LET'S LEARN



Dexter and Amir are investigating how many different cuboids they can build with 8 cubes.

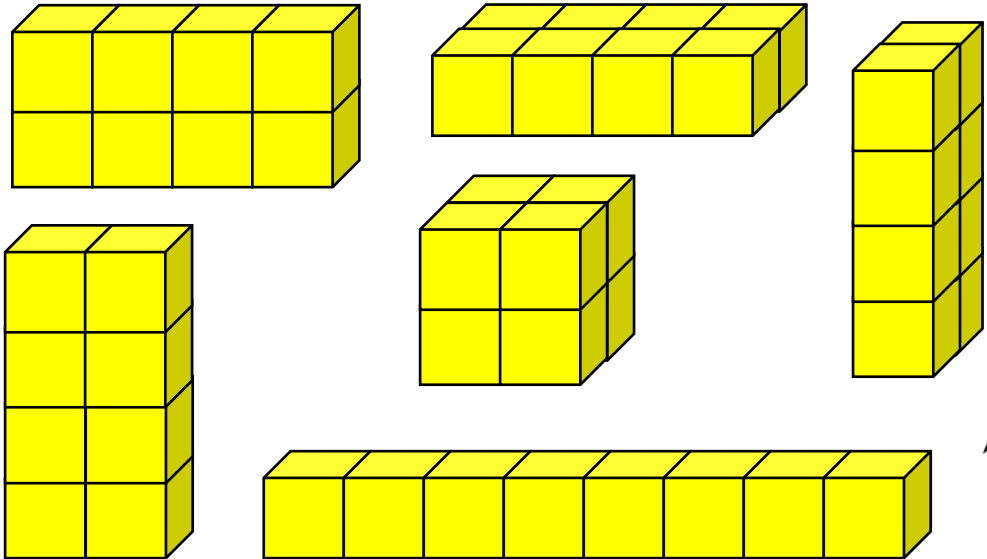


We've made 6 different cuboids.

I think some of these are the same.



Have a think



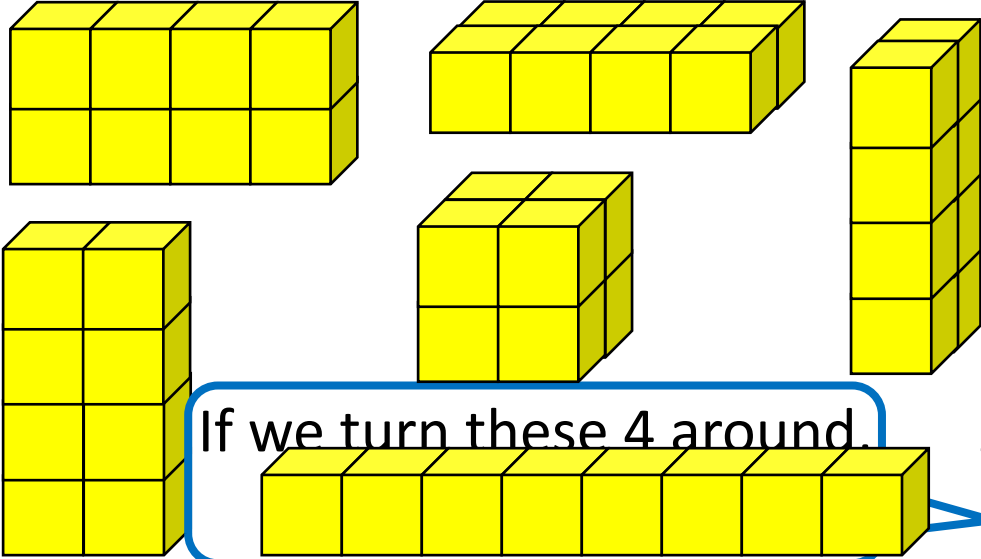
Is Tiny correct?



I think some of these are the same.



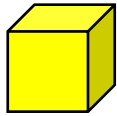
These are 2 and 3 differently different.



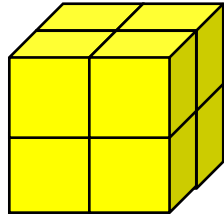
If we turn these 4 around.



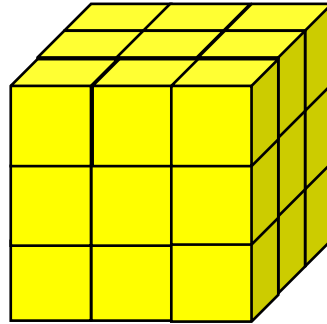
Whitney and Alex are also building 3D shapes.



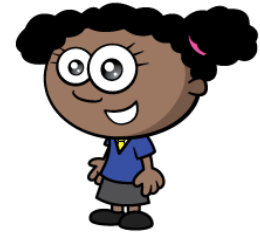
1 cube



$4 + 4$   
8 cubes



$9 + 9 + 9$   
27 cubes




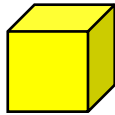
Have a think



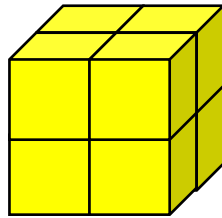
How many small cubes have they used to build each cube?



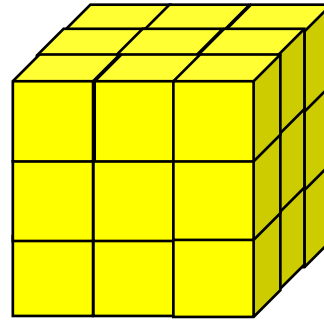
Have a think 



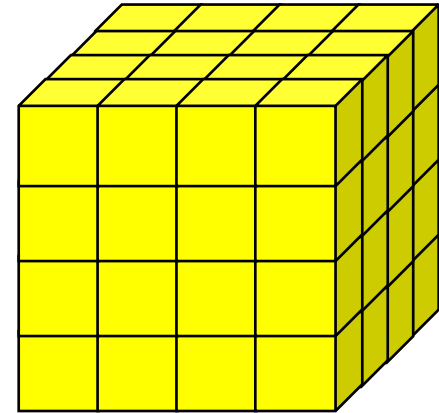
1 cube



$4 + 4$   
8 cubes



$9 + 9 + 9$   
27 cubes



$16 + 16 + 16 + 16$   
64 cubes

How many small cubes would you need to build the next cube in the pattern?

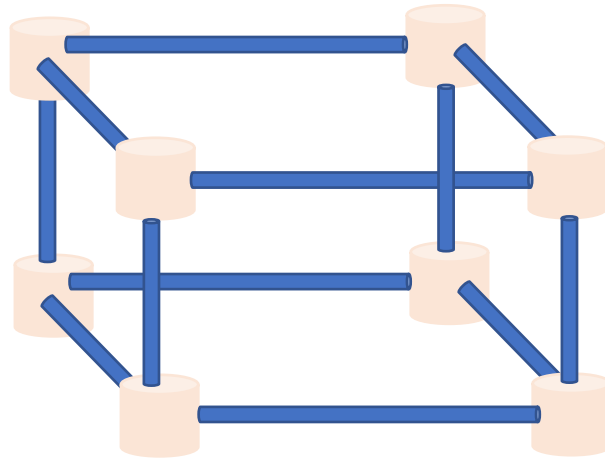
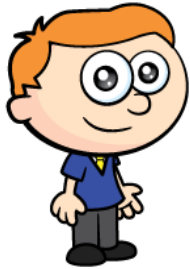


## YOUR TURN

Have a go at questions  
1 – 4 on the worksheet



Ron is using marshmallows and straws to build 3D shapes.



Have a think



He starts by making a rectangular base.

I can see 8 vertices and 12 edges.



What shape do you think Ron is making?

Ron has made a cuboid.

**YOUR TURN**

Have a go at the rest of the  
questions on the  
worksheet

