Thursday 9th July 2020 IX VII MMXX

Hola niñas/niños

Well done for all of your hard work this week. Let us start with a maths brain teaser.

Maths Brain Teaser - 10

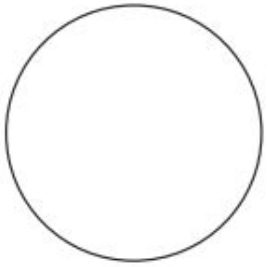
Complete the Magic Square so that each row, column and the two centre diagonals total 50. You cannot use the same number more than once.

30			7
	8		
5		3	
	31	6	

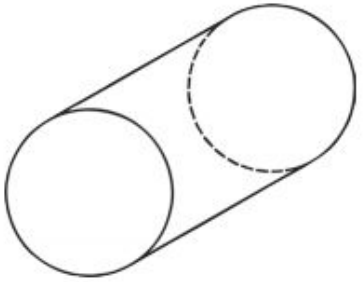
For the main task we are going to recap our knowledge of 3d shapes.

Try to sketch the shapes on paper if you can print out the worksheet. Use objects around you to help when counting the sides, faces and vertices.

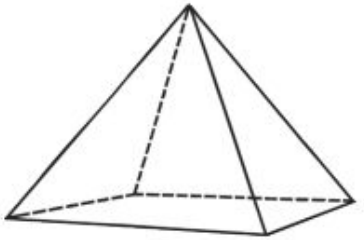
Name the 3D Shape



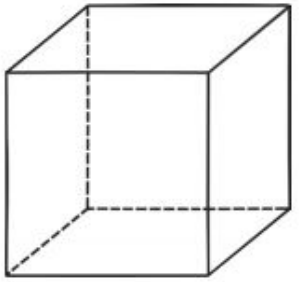
Shape of faces:_____
Number of vertices: _____
Number of edges:_____
Name:_____



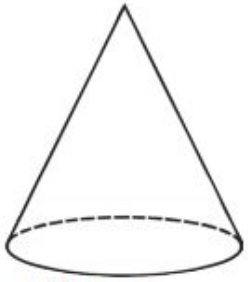
Shape of faces: _____
Number of vertices:_____
Number of edges: _____
Name:_____



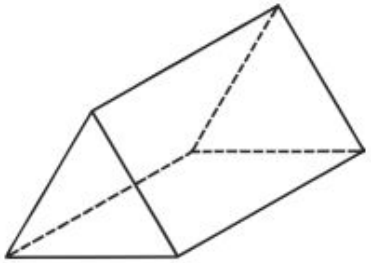
Shape of faces:_____
Number of vertices:_____
Number of edges:_____
Name:_____



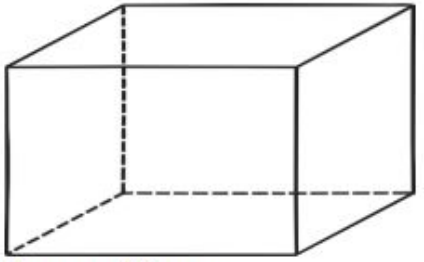
Shape of faces:_____
Number of vertices:_____
Number of edges:_____
Name:_____



Shape of faces:_____
Number of vertices: _____
Number of edges:_____
Name:_____



Shape of faces: _____
Number of vertices: _____
Number of edges:_____
Name:_____



Shape of faces:_____
Number of vertices:_____
Number of edges:_____
Name:_____

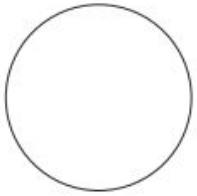
Brain teaser answers -

10. Magic Square with a constant of 50:

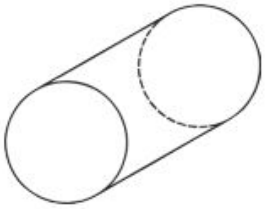
30	1	12	7
11	8	29	2
5	10	3	32
4	31	6	9

Main answers -

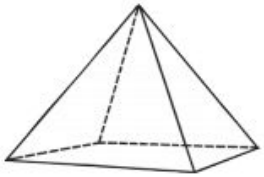
Name the 3D Shape **Answers**



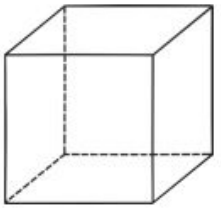
Shape of faces: **circular**
Number of vertices: **0**
Number of edges: **0**
Name: **sphere**



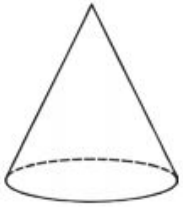
Shape of faces: **circular and rectangle**
Number of vertices: **0**
Number of edges: **2**
Name: **cylinder**



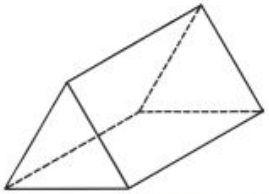
Shape of faces: **triangular and rectangular**
Number of vertices: **5**
Number of edges: **8**
Name: rectangular **pyramid**



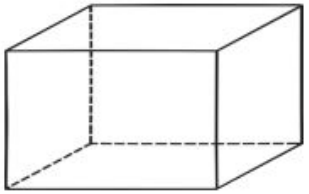
Shape of faces: **square**
Number of vertices: **8**
Number of edges: **12**
Name: **cube**



Shape of faces: **cicular**
Number of vertices: **0**
Number of edges: **1**
Name: **cone**



Shape of faces: **triangular and rectangular**
Number of vertices: **6**
Number of edges: **9**
Name: **triangular prism**



Shape of faces: **rectangular**
Number of vertices: **8**
Number of edges: **12**
Name: **cuboid**