

Properties of 3D shapes

Name: _____ Class: _____ Date: _____

Mark / 6 %

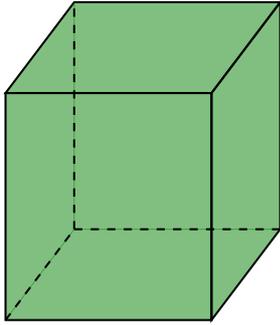
1) Complete the table of solids

[1]

Shape	Name
	
	
	
	
	
	
	
	

2) Find the number of faces, edges and vertices of the solid shown below

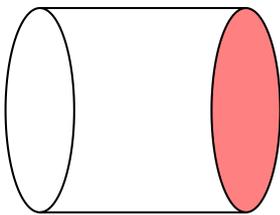
[1]



Faces = Edges = Vertices =

3) Find the number of faces, edges and vertices of the solid shown below

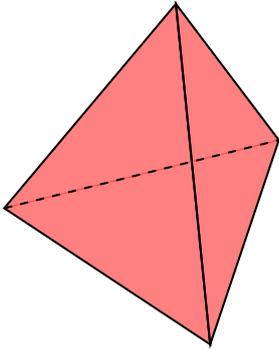
[1]



Faces = Edges = Vertices =

4) Find the number of faces, edges and vertices of the solid shown below

[1]



Faces = Edges = Vertices =

5) Frank is constructing a 3D shape using 4 triangles.

[1]

What 3D shape is Frank making?

6) Chloe is constructing a 3D shape using one straw for each edge and one connector for each vertex. [1]

How many straws and connectors will she need to make a cuboid?

straws and connectors

Solutions for the assessment Properties of 3D shapes

1) triangular prism, sphere, cylinder, tetrahedron, square based pyramid, cuboid, cone, cube

2) Faces = 6, Edges = 12, Vertices = 8

3) Faces = 3, Edges = 2, Vertices = 0

4) Faces = 4, Edges = 6, Vertices = 4

5) triangular-based pyramid

6) 12 straws and 8 connectors