

Unit 2 L7 Properties of 3D Shapes

<https://www.youtube.com/watch?v=3-QwWFkz5hw>

<https://www.bbc.co.uk/bitesize/topics/zjv39j6/articles/zgqpk2p>

3-D shapes are also known as solids. 3-D shapes take up space.

On paper 3-D shapes are drawn or represented by showing the 3 dimensions of the solid which are :

Width

Depth

Height



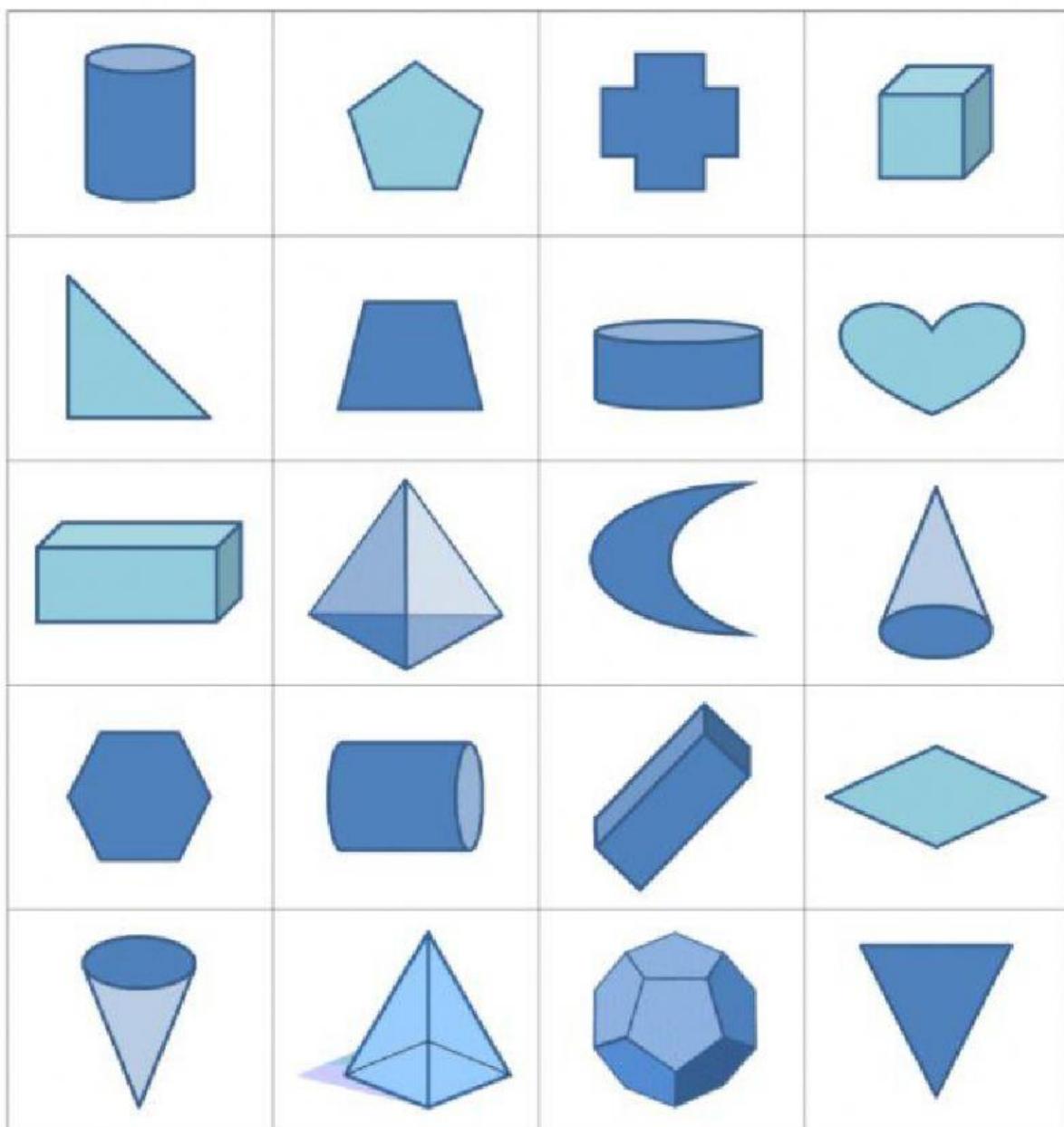
2-D shapes or plane shapes only have 2 dimensions which are:

Length

Width

Which of the following are 3-D Shapes

Mark with the 3-D shapes with a X

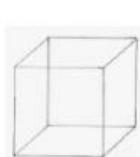


Identifying 3-D Shapes

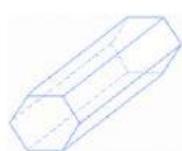
In this unit you need to be able to identify and understand the properties of these 3-D shapes:

Cubes – Prisms – Pyramids – Spheres – Cones and Cylinders

Cubes, prisms and pyramids all have straight edges and flat faces.



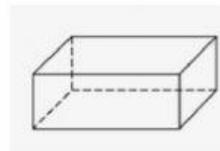
Cube



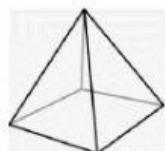
Prism



Prism



Prism

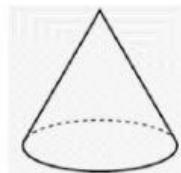


Pyramid

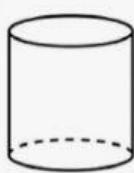
Spheres, cones and cylinders all have curved faces. Cones and cylinders have curved edges.



sphere



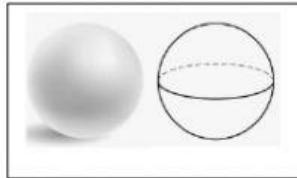
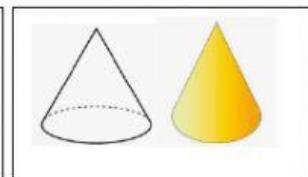
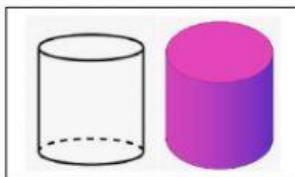
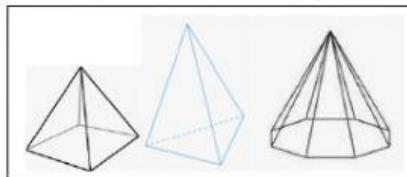
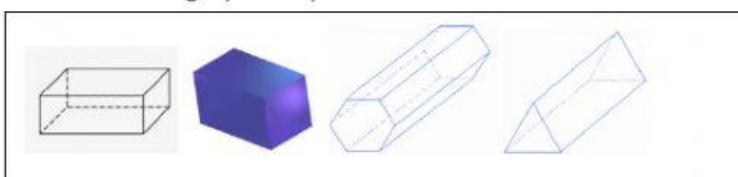
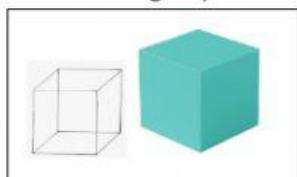
cone



cylinder

TASK

Cut out the boxes below. Glue them into your math books. Label the shapes using the heading above. With a partner or in a small group describe what each category of shape has in common.



Sorting Pyramids and Prisms

https://mathsframe.co.uk/en/resources/resource/115/sorting_3d_shapes_on_a_venn_diagram#

<https://www.iknowit.com/lessons/k-geometry-solid-shapes-3d.html>

<https://www.sheppardsoftware.com/math/geometry/shapes-splat-game/>

<https://quizlet.com/334072913/flashcards>