Home Learning Thursday 11th June 2020 Maths

L.O: I am learning to identify 3-D shapes from their nets

Today you will revise 3-D shapes and their properties and then apply your knowledge to identify those shapes from their 2-D nets. You will be using mathematical vocabulary such as; faces, curved surfaces, vertices and edges.

Answer the questions on the separate worksheet that comes with this assignment. Turn the completed work in so that the teacher can mark and comment on your work.

Properties of 3-D Shapes

- A: This is the **vertex**, the corner where the edges meet; the plural of vetex is vertices.
- B: This is the **face**. A face is a flat surface.
- C: This is the **edge**. An edge is where two faces meet.



Use the link below to watch a video about the properties of 3-D shapes



https://www.bbc.co.uk/bitesize/topics/zjv39j6/articles/zgqpk2 Let's revise some 3-D shapes and their properties





What is a Net?

A net is like a plan of a 3-D shape, if it was drawn. The net consists of all the faces of the 3-D shape laid out flat and if folded up, it would form a particular 3-D shape. Watch the video below to understand how nets work.



Look at the 3-D shapes below and their 2-D nets. Can you see how they are constructed?



Cylinder: 2 x circles and 1 x rectangle

Square-based pyramid: 4 x triangles and 1 x square

Cuboid/rectangular prism: 6 x rectangles

Now go to the worksheet for today's tasks and pick your challenge!