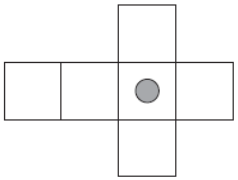
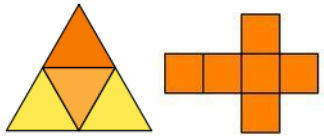
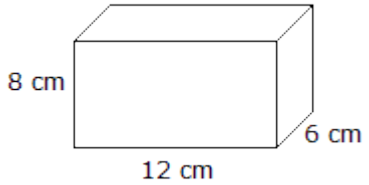
Term by Term Objectives

Year 5

Shapes	Identify 3D shapes, including cubes and other cuboids, from 2D representations.	• **What shape am I?** a) My faces are made up of a square and four triangles. b) My faces are made up of rectangles and triangles. • Complete the sentences. A tetrahedron has ___ faces. The faces are made from _____. A cube has ___ faces. The faces are made from _____. • Draw another dot on the net of the cube below so it has a dot on the opposite face when the 3D shape is constructed. 	• Find 3 similarities between the net of a tetrahedron and the net of a cube.  Share them with a partner. Are any the same/different? • Albie says, If two 3D shapes have the same number of edges then they also have the same number of vertices. Do you agree? Explain why.	• Create cubes and cuboids by using multilink. Can you draw these on isometric paper? Which part is difficult? Would it be harder if you had to draw something other than squares or rectangles? • Here is a cuboid  Draw the net for this cuboid. • **Visualise** a) A square based pyramid is put on top of a cube so that it fits perfectly. How many 2D shapes can you now see and what are they? b) A tetrahedron and a triangular prism are fit perfectly together. How many 2D shapes can you now see and what are they?

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mathshub@trinityacademyhalifax.org

MathsHUBS White Rose