Y8 Maths Knowledge Organiser Topic 12: 3D Shapes

What must I be able to do?	Key vocabulary	
New content:	Net	A flat <u>2D</u> shape which can be folded to <u>create a 3D shape</u> .
☐ Recognise nets of 3D shapes ► Mathswatch G12c	Face	A <u>flat</u> surface.
☐ Identify faces, edges and vertices on a 3D shape Mathswatch G12a	Edge	Where <u>two faces meet.</u>
	Vertex	A <u>corner</u> where <u>edges meet.</u> The plural is vertices
	Elevation	A <u>view</u> of a 3D shape when looked at from the <u>side or front</u> .
☐ Draw plans and elevations of a	Plan	A <u>view</u> of a 3D shape when looked at from <u>above.</u>
given solid Identify a solid from its plans and elevations Mathswatch 51 (GCSE)	Prism	A prism is a type of <u>3D</u> shape with flat sides. It has two ends that are the same shape and size. It has the <u>same cross-section</u> all along the shape from end to end; that means if you cut through it you would see the same 2D shape as on either end.



