WILF: to record findings accurately, to recognise patterns and to use reasoning to predict answers. To create a formula to explain your findings and prove it.			olyhe	dra:3dShape  Name: Date:		
Carry out the follo questions.	owing invest	igation – you r	may use 3d sl	apes to help. Complete the table below and try to answer the  Can you explain how to find the number of edges on a shape if you		
5hape	faces	Vertices	Edges	know the number of faces and vertices?		
Cube						
Cuboid				If a shape has 32 faces and 30 vertices – predict how many edges it will have.		
Triangular Prism						
Hexagonal Prism						
Square Based Pyramid				Using your data can you predict the number of edges a rhombicosidodecrahedron has, if you know that it has 62 faces and 60		
Tetrahedron				vertices?		
Octahedron						
Oodecahedron				Can you write a formula to show how to find the number of edges any		
Cosahedron				shape would have – prove it !!		