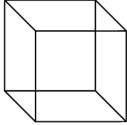
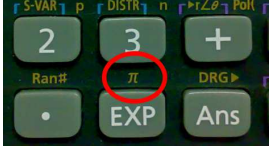
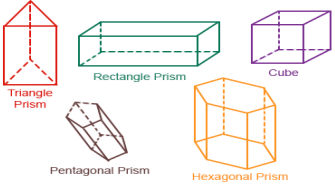
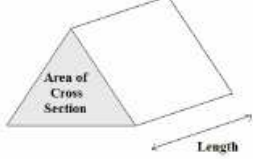
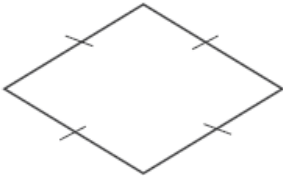


KNOWLEDGE ORGANISER – YEAR 8 TERM 3

	Topic	Information	Examples	Hegarty Clip
1	Properties of 3D shapes	Faces = flat surfaces Edges = sides/lengths Vertices = corners	A cube has 6 faces, 12 edges and 8 vertices 	829-844
2	Area of a Circle	$A = \pi r^2$ which means 'pi x radius squared'.	If the radius was 5cm, then: $A = \pi \times 5^2 = 78.5cm^2$	539-543
3	Circumference of a Circle	$C = \pi d$ which means 'pi x diameter'	If the radius was 5cm, then: $C = \pi \times 10 = 31.4cm$	534-538
4	π ('pi')	Pi is the circumference of a circle divided by the diameter. $\pi \approx 3.14$		
5	Prism	A prism is a 3D shape whose cross section is the same throughout.		570-571
6	Volume of a Prism	Volume of a Prism = Area of Cross Section \times Length $V = A \times L$		570-571
7	Properties of a Rhombus	<ul style="list-style-type: none"> • Four equal sides • Diagonally opposite angles are equal • Opposite sides parallel • Diagonals bisect each other at right angles • Two lines of symmetry • Rotational symmetry of order two 		821-828