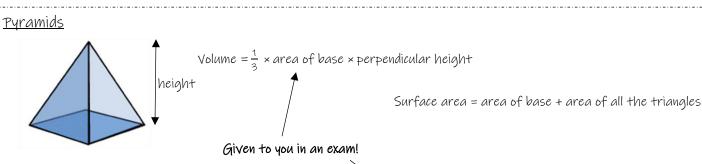
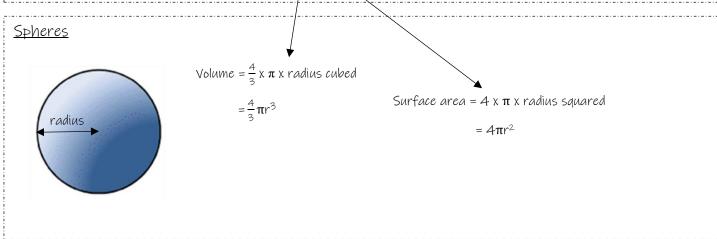
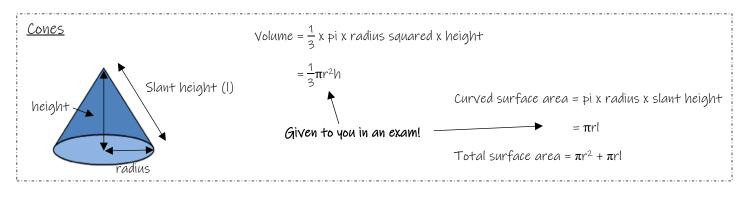
Y10 Maths Knowledge Organiser Foundation Tier: Curved Shapes and Pyramids

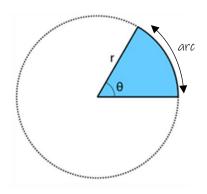
What must I be able to do?	Key vocabulary	
New content: Calculate the length of an arc Sparx U221 Calculate the area and angle of a sector	Sector	A fraction of a circle, cut from the centre like a slice of pizza. The two straight sides will be the radius of the circle.
Sparx U373□ Calculate the Volume of a pyramidSparx U484	Arc	A section of the circumference of a circle.
☐ Calculate the Volume and surface area of a cone ➤ Sparx U116, U523		
 □ Calculate the Volume and surface area of a sphere ▶ Sparx U617, U893 		







Arcs and sectors



Area of a sector = fraction of a full circle x area of a circle

$$=\frac{\theta}{360}\,\pi r^2$$

Arc length = fraction of a full circle x circumference

$$=\frac{\theta}{360}\pi d$$

Perimeter of a sector = arc length + radius + radius

$$= \frac{\theta}{360} \pi d + 2r$$

GLUE

HERE