Unit 13– circles

No.	Question	Answer	Example
13.1	What is the radius?	The distance from the centre to the circumference of the circle	
13.2	What is the diameter?	A straight line going through the centre connecting 2 points on the circumference.	
13.3	What is the arc?	Part of the circumference	
13.4	What is a sector?	A 'pie slice' part of a circle formed by 2 radii	
13.5	What is a segment?	Part of a circle contained by the circumference and a chord	
13.6	What is a tangent?	A straight line that touches the circumference only once	
13.7	What is a chord?	A straight line that touches 2 points on the circumference	
13.8	What is the circumference of a circle?	The distance round the outside of a circle	
13.9	What is the area of a circle?	The amount of space inside the circle	
13.10	What is the formula for the circumference?	$\pi \times D$	A circle has diameter 3cm, what is the circumference? $\pi \times 3 = 9.42$cm
13.11	What is the formula for the area?	$\pi \times r^2$	A circle has radius 4cm, what is the area? $\pi \times 4^2 = 50.27$cm^2
13.12	What is a semi-circle?	Half a circle	

Date (week commencing)	Numbers to learn
13/06/22	13.1-1.3.10
27/06/22	13.6 - 13.12 14.2.-14.5
04/07/22	14.2-14.14
11/07/22	13.1-14.14

Unit 14- 3D Shapes

No.	Question	Answer	Example
14.1	What are 3D shapes?		
14.2	What is a prism?	A solid 3D shape with the same 2D shape running all the way through it	
14.3	What is an edge?	The lines when 2 faces meet on a 3D shape	
14.4	What is a face?	An individual 2D surface of a 3D shape	
14.5	What is a vertex?	A corner of a 3D shape (where 3 edges meet)	
14.6	What is the plan view?	The 2D view of a 3D shape from above	
14.7	What is the front elevation?	The 2D view of a 3D shape from the front	
14.8	What is the side elevation?	The 2D view of a 3D shape from the side	
14.9	What is the net?	A pattern you can fold to make a 3D solid shape	

Unit 14 – volume

No.	Question	Answer
14.10	How do you find the volume of a cuboid?	Length x width x height
14.11	How do you find the volume of cylinder?	Area of the cross section x depth *The formula is $\pi r^2 \times height$*
14.12	How do you find the surface area of a cuboid?	To find the surface area of a cuboid you sum the area of each face.
14.13	What is a prism?	A 3D solid which has the same 2D shape running all the way through it
14.14	What is the volume of a prism?	Area of cross section x length