'Area and circumference of circles'

The Knowledge for Progression:

- \circ $\;$ To identify the parts of a circle; radius, diameter and circumference
- \circ $\,$ To know that the radius is the distance from the centre of the circle to its circumference
- \circ $\,$ To know that the diameter is the distance from one point of the circumference to another point going through the centre
- To know that the circumference is the perimeter of the circle
- o To know that the diameter is twice the radius
- \circ $\;$ To know that the radius is half of the diameter
- To know that the formula to calculate the area of a circle is $A = \pi \times radius^2$
- $\circ~$ To know that the formula to calculate the circumference of a circle is ${\it C}=\pi~\times diameter$

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Key Word	Dual Coding	Definition
Circle	20 cm 20 cm 20 cm	A 2D shape where all points are equidistant from the centre
Radius		The distance from the centre of the circle to the circumference
Diameter	Centre Radius	The distance from one point of the circumference to another point going through the centre
Circumference	Circumference	The perimeter of the circle

'Angles in polygons'

The Knowledge for Progression:

- To know that the sum of interior angles is calculated by (n-2) x 180°, where n is the number of sides of the polygon
- To know that sum of the interior angle and the exterior angle equal 180°

Key WordDual CodingDefinitionInterior angleExterior AngleThe angle that lies
within a polygonExterior
angleInterior AngleAn angle formed
outside the polygon

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Circle Theorems

