

Properties of 2D Shapes : Maths : Year 4 : Autumn Term Week 5

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To be able to identify and classify quadrilaterals.	Children will classify and sort shapes according to size, angles, sides, symmetry etc. using Carroll diagrams, tables, or by colour-coding.	<ul style="list-style-type: none"> Can children define a quadrilateral? Can children identify a variety of different quadrilaterals? Can children classify quadrilaterals based on their characteristics? 	<ul style="list-style-type: none"> Slides Quadrilateral Key Quadrilateral Colouring Sheet A/B/C Worksheet 1A (FSD? activity only) Quadrilateral Templates (FSD? activity only)
Lesson 2	To be able to identify and classify triangles.	Children will learn about the properties of various triangles, then sort and compare them using tables or branching diagrams.	<ul style="list-style-type: none"> Can children define a triangle? Can children identify a variety of different triangles? Can children classify triangles based on their characteristics? 	<ul style="list-style-type: none"> Slides Worksheet 2A/2B/2C Triangle Cards A/B Triangle Key Triangle Colouring Sheet A/B (FSD? activity only)
Lesson 3	To be able to measure and calculate the perimeter of a shape.	Children will calculate the perimeter of shapes by measuring their sides and totalling these measurements. Optionally, children may order shapes according to their estimates of their perimeters.	<ul style="list-style-type: none"> Do children understand what the term 'perimeter' means? Can children calculate the perimeter of a shape? Can children measure the perimeter of a shape? 	<ul style="list-style-type: none"> Slides Worksheet 3A/3B/3C/3D/3E Shape Cards A/B (FSD? activity only) Masking tape and metre rulers - plenary
Lesson 4	To be able to calculate the area of a shape by counting squares.	Children will measure the area of rectangles and composite rectilinear shapes by counting squares.	<ul style="list-style-type: none"> Do children understand the difference between perimeter and area? Can children describe how to find the area of a shape? Can children find the area of a shape by counting squares? 	<ul style="list-style-type: none"> Slides Worksheet 4A/4B/4C Squared paper (FSD? activity only)
Lesson 5	To be able to classify shapes according to their properties.	Children will classify and sort a wide variety of shapes according to several criteria, showing what they have learned during previous lessons about the properties of 2-D shapes (polygons and non-polygons).	<ul style="list-style-type: none"> Can children describe a shape according to its properties? Can children sort shapes according to their properties? Can children use a variety of criteria to sort shapes? 	<ul style="list-style-type: none"> Slides Worksheet 5A/5B/5C Shape Sheet Shape Cards or 2D shapes (FSD? activity only) Sticky notes (FSD? activity only)