

Knowledge Organiser






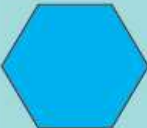

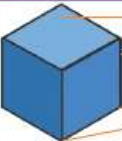
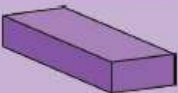


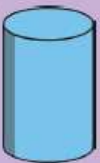

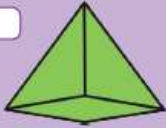

Year Group	Subject	Topic
Year 2	Maths	Geometry: Properties of Shape

The Big Picture

Children will be able to identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces. Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid. Compare and sort common 2-D and 3-D shapes and everyday objects.

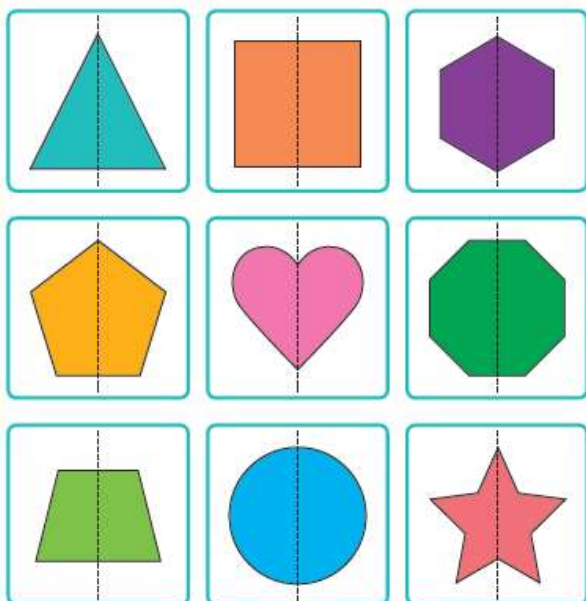
Sequence of learning

- Recognise 2-D and 3-D shapes
- Count sides on 2-D shapes
- Count vertices on 2-D shapes
- Draw 2-D shapes
- Lines of symmetry
- Sort 2-D shapes
- Make patterns with 2-D shapes
- Count faces on 3-D shapes
- Count edges on 3-D shapes
- Count vertices on 3-D shapes
- Sort 3-D shapes
- Make patterns with 3-D shapes

Geometry: Properties of Shape		Knowledge Organiser	
Key Vocabulary	Recognise and Describe 2D Shapes	Recognise and Describe 3D Shapes	
two-dimensional (2D)	<div><p>square</p></div> <div><p>triangle</p></div> <div><p>rectangle</p></div> <div><p>circle</p></div> <div><p>pentagon</p></div> <div><p>hexagon</p></div> <div><p>quadrilateral</p></div>	<div><p>cube</p></div>	
three-dimensional (3D)			<div><p>cuboid</p></div>
flat			<div><p>cone</p></div>
solid			<div><p>sphere</p></div>
corner			<div><p>cylinder</p></div>
apex			<div><p>triangular prism</p></div>
vertex			<div><p>square-based pyramid</p></div>
vertices			
side			
edge			
face			
curved			
straight			
round			
line of symmetry			
vertical			
pattern			
			

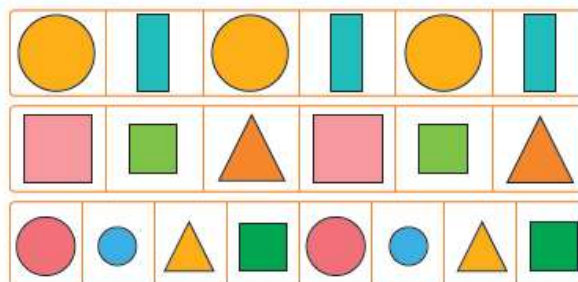
Lines of Symmetry

These 2D shapes have a vertical line of symmetry.

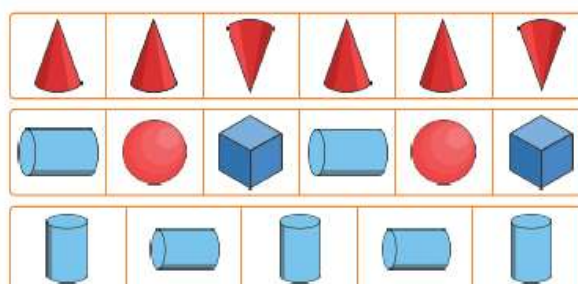


Repeating Shape Patterns

2D Patterns



3D Patterns



Practise counting forwards and backwards in 2s, 3s 5s and 10s everyday.

Count in 2's	2	4	6	8	10	12	14	16	18	20	22	24
Count in 3's	3	6	9	12	15	18	21	24	27	30	33	36
Count in 5's	5	10	15	20	25	30	35	40	45	50	55	60
Count in 10's	10	20	30	40	50	60	70	80	90	100	110	120