



# Year 2 properties of shapes

## Prior Knowledge

- Select, rotate and manipulate shapes to develop spatial reasoning skills (Reception)
- Continue, copy and create repeating patterns (Reception)
- Recognise and name common 2-D and 3-D shapes (Y1)

## Properties of shapes

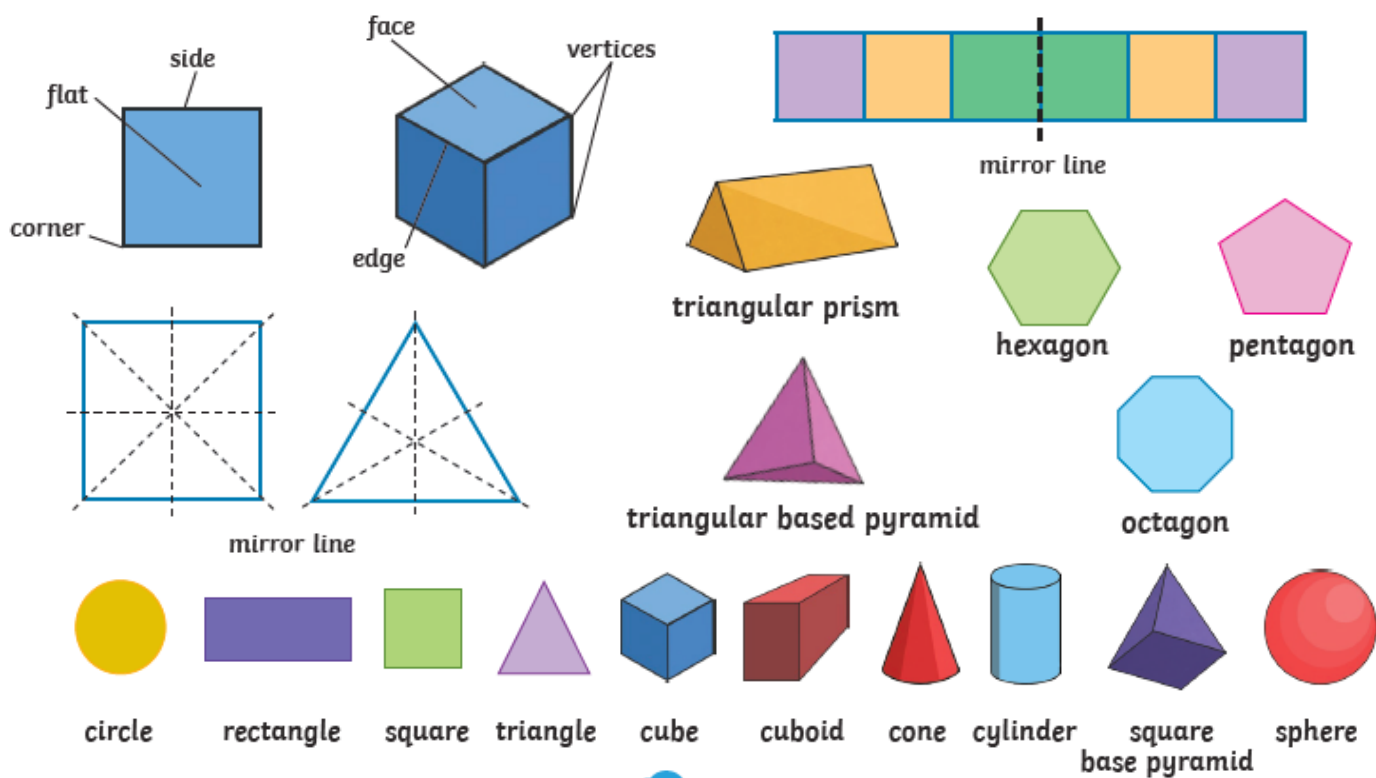
	Working Towards	Within	Expected	Above
	Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line			
	Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces			
	Identify 2-D shapes on the surface of 3-D shapes			
	Compare and sort common 2-D and 3-D shapes and everyday objects			

Highlights: \_\_\_\_\_

\_\_\_\_\_



## Glossary



vocabulary	word class	definition
symmetry	noun	the quality of being made up of exactly similar parts facing each other or around an axis
vertical	adjective	at right angles to a horizontal plane; in a direction, or having an alignment, such that the top is directly above the bottom
surface	noun	a continuous set of points that has length and breadth but no thickness



## Resources

A range of 2D and 3D shapes



## Future Learning

### Year 6

- Draw 2-D shapes using given dimensions and angles
- Recognise, describe and build simple 3-D shapes, including making nets
- Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons
- Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
- Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles