

## Knowledge Organiser

Year Group	Subject	Topic
2	Maths	Geometry-Properties of shape

## The Big Picture

Children will be working on Geometry for the last 3 weeks of Autumn term. Children will recap their understanding of shape from Year 1. Children need to recognise and name both 2-D and 3-D shapes and differentiate between them. It is important that children have the chance to see and feel the shapes. They will learn that 2-D shapes are flat. They must be able to recognise both standard and nonstandard representations of 2-D and 3-D shapes. For example, they should notice that there is no such thing as an ‘upside down triangle’; instead, it is just a triangle in a different orientation.

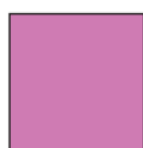
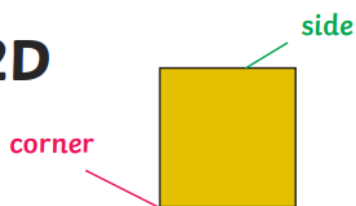
## Enquiry Questions

# Year 2 Maths Shape Word Mat

straight line

curved line

2D



square



rectangle

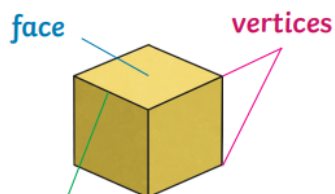


circle

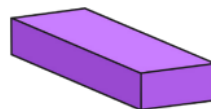


triangle

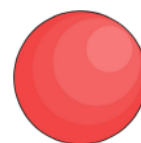
3D



cube



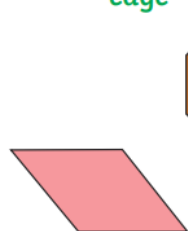
rectangular prism



sphere



pyramid



rhombus



octagon



pentagon



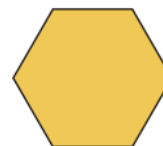
cone



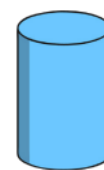
kite



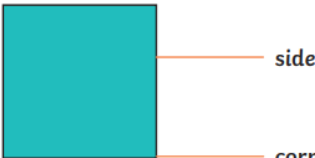
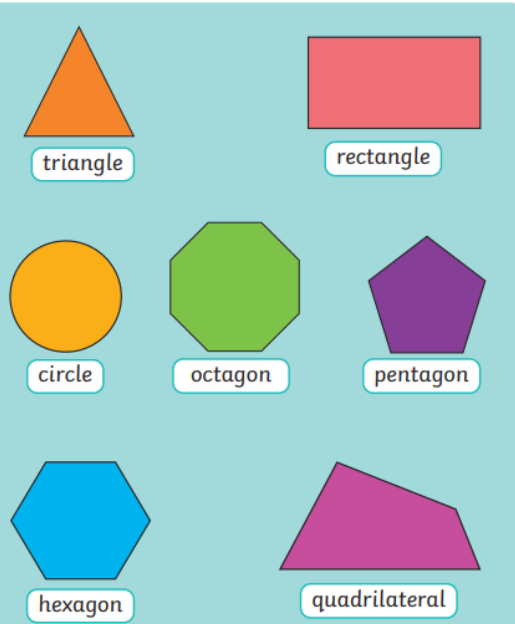
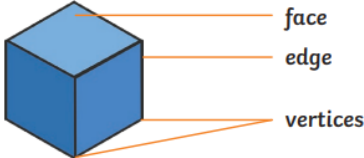
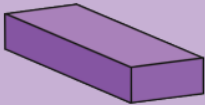


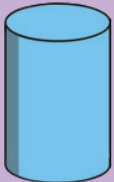


square based pyramid




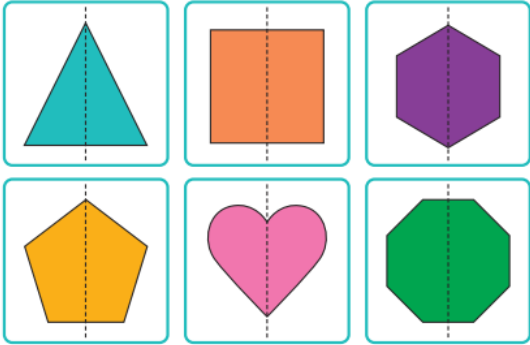
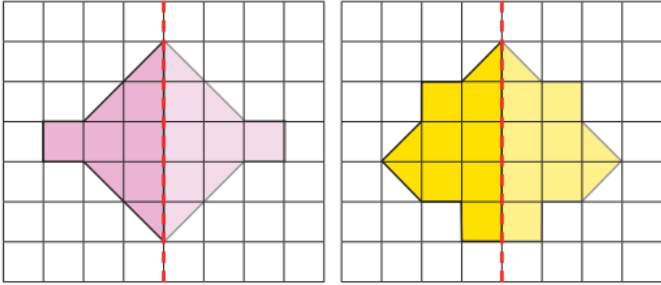
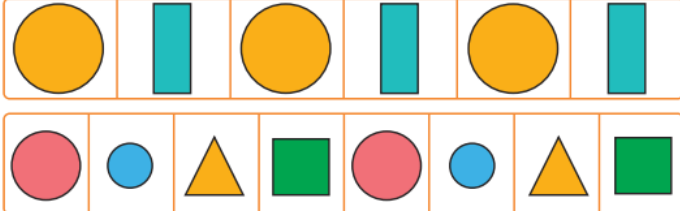
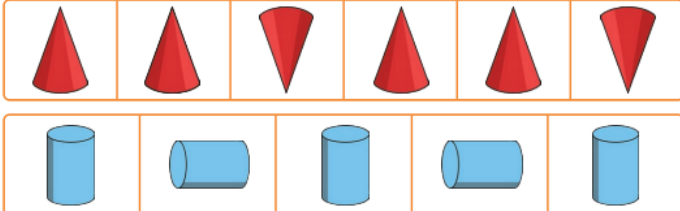
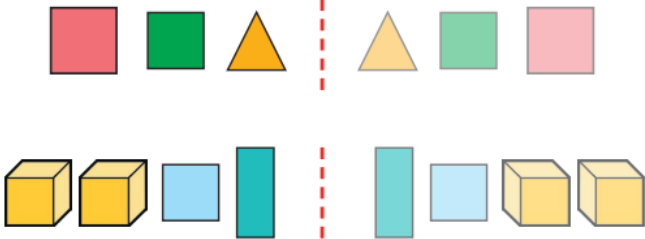

hexagon



cylinder

Key Vocabulary	Recognise and Describe 2D Shapes	Recognise and Describe 3D Shapes
two-dimensional (2D)	<div><p>square</p></div> <div></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		

 visit [twinkl.com](https://www.twinkl.com)

Lines of Symmetry	Repeating Shape Patterns
<p>These 2D shapes have a vertical line of symmetry.</p>  <p>Using symmetry to complete a picture.</p> 	<p>2D Patterns</p>  <p>3D Patterns</p>  <p>Symmetrical Shape Patterns</p> 
 visit <a href="https://www.twinkl.com">twinkl.com</a>	