







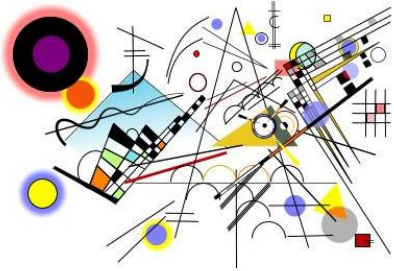



<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Properties of shape</p>	<p>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</p>	<ul style="list-style-type: none"> <li>• Draw a line so that it is perpendicular to the one given</li> </ul>  <ul style="list-style-type: none"> <li>• Draw a line that is parallel to the one given</li> </ul>  <ul style="list-style-type: none"> <li>• Circle the horizontal line</li> </ul>   	<ul style="list-style-type: none"> <li>• <b>True or false?</b> Perpendicular lines have to touch.</li> <li>• <b>Always, sometimes, never.</b> When two straight lines cross, there will be 4 right angles made.</li> <li>• <b>True or false?</b> Parallel lines never touch.</li> <li>• <b>Odd one out.</b> Explain which is different to the others.</li> </ul> <p>a) </p> <p>b) </p> <p>c) </p>	<ul style="list-style-type: none"> <li>• Identify all the horizontal and vertical lines. Identify the pairs of perpendicular and parallel lines</li> </ul>  <ul style="list-style-type: none"> <li>• Draw your own picture using all four types of lines. Can your partner identify and label the different lines?</li> <li>• Look at these flags. Can you identify and label the different lines and angles?</li> </ul> 

## Properties of shape

Draw 2-D shapes and make 3-D shapes using modelling materials.

- Draw a 2D shape with a pair of parallel lines. Did your friend draw the same or something different?

- Use these shapes to create a repeating pattern. Leave a space where you have missed out a shape – can your partner guess what the shape should be?



- Label the angles in your shapes – are they greater than or less than  $90^\circ$ ?

- **True or false?**  
You can cut out lots of equal squares and make a 3D shape from them.

- Explain why all the triangles need to be the same size for the net of pyramid.

- **True or false?**  
With an unlimited amount of straight sticks, you can make any 2D or 3D shape.

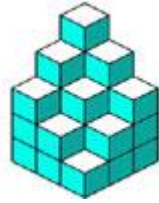
- Look through a magazine/newspaper and identify the shapes you see. Organise them into different groups. Do some shapes fit into more than one group? Why?

- Using Play-doh, ask children to make a 3D shape. Ask them to make a different one to their partner. Write down the similarities and differences between them. Discuss what the properties are.

## Properties of shape

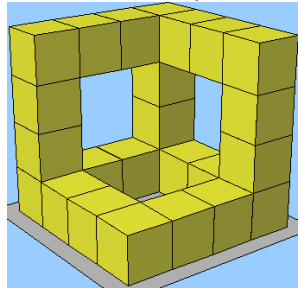
Recognise 3-D shapes in different orientations and describe them.

- What is this shape made up of?



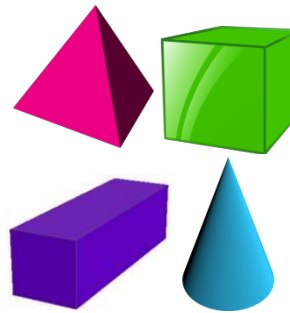
Does your partner agree? Can they see anything different?

- Can you build this shape? What does it look like when you half turn it? Describe it to a partner.



- 3D shape hunt. Find the shapes hidden in the classroom. Group them together with others.

- **Odd one out.**



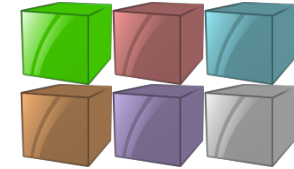
Explain why it is the odd one out using the correct vocabulary for its properties.

- **True or false.**

A wizard's hat will be able to be turned upside down and still stand upright on its own.



- Use 6 cubes. How many different shapes can you make? Can you try and draw them? Dotted paper may help.



- Pick a 3D object in the classroom. Visualise it being rotated by  $180^\circ$ . Describe it to a partner. Can they guess it?