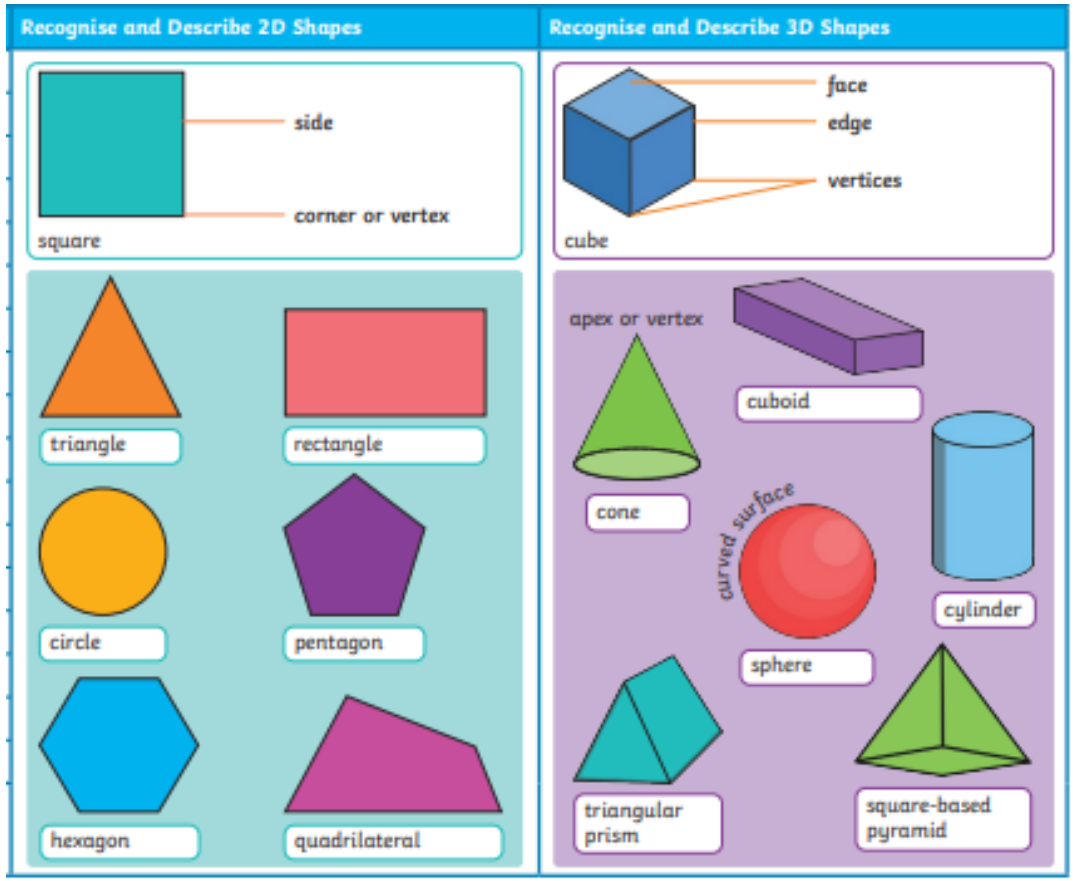
# Year 2 – properties of shape

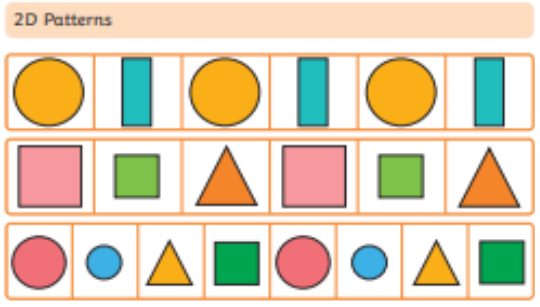
**In this unit, I will:**
- name and identify 2D shapes
- name and identify 3D shapes
- Count the sides and vertices on 2D shapes
- Find lines of symmetry of 2D shapes
- Make patterns using 2D and 3D shapes
- Count the faces, vertices and edges on 3D shapes

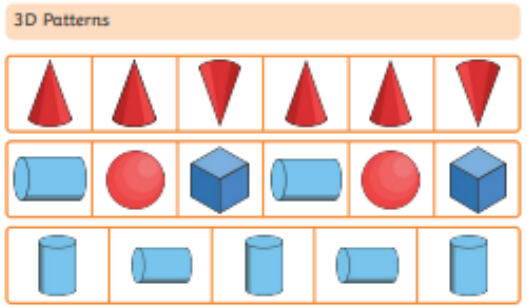
How does this unit build upon prior learning

- Before they start this unit, it is expected that children:
- • know the names of basic 2D and 3D shapes
- • understand that shapes are classified based on specific properties
- • know that shapes can be sorted by different criteria.

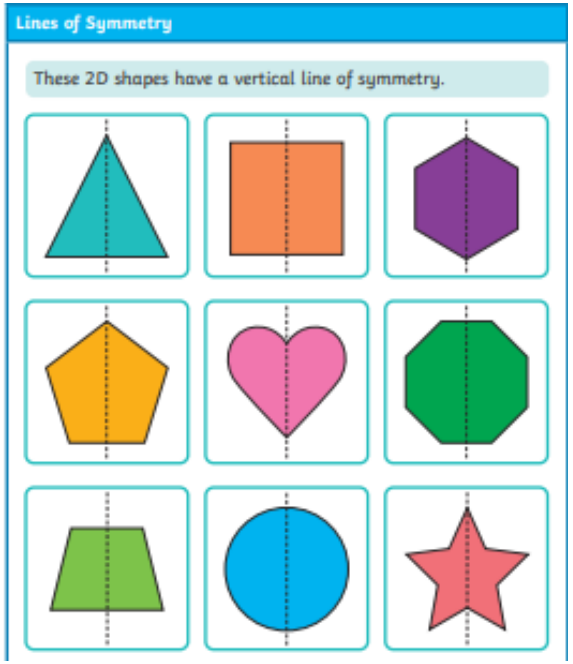
**National Curriculum Link - Year 2 multiplication and division**
- Recognise and name common 2D and 3D shapes, including: 2D shapes [for example, rectangles (including squares), circles and triangles]; 3D shapes [for example, cuboids (including cubes), pyramids and spheres].
- Compare and sort common 2D and 3D shapes and everyday objects.
- Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.
- Order and arrange combinations of mathematical objects in patterns and sequences.
- Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.




| Word | Definition |
|---|---|
| vertices | A corner where edges meet. |
| face | A flat or curved surface on a 3D shape. |
| edge | Where two faces, on a shape, come together. |
| symmetry | If a line can be drawn through it and either side is a reflection of the other. |
| 2D | A flat shape. |
| 3D | A shape that is not flat. |




Maths at Alice Ingham

Alice Ingham RC Primary School
Journeying to Excellence Through Faith and Learning