

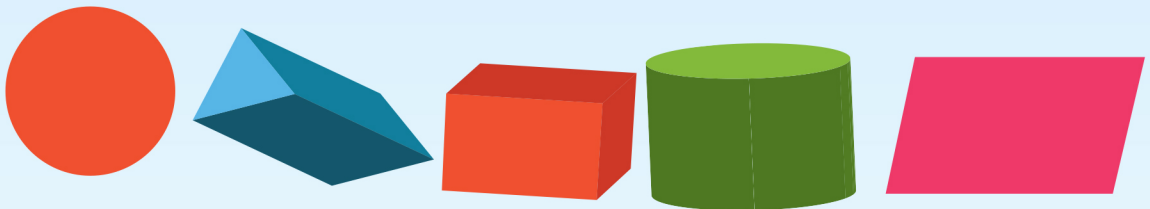
A vertical grid of squares, some of which are filled with various icons. From top to bottom, the icons are: a teal pencil, a white speech bubble, a yellow L-shaped block, a yellow X, a red squiggle, a yellow arrow pointing right, a teal dot, a yellow circle, and a red dot. The grid is composed of light blue squares on a white background.



Characteristics which learners use to distinguish, describe, sort and compare shapes: straight and curved sides, number of sides.

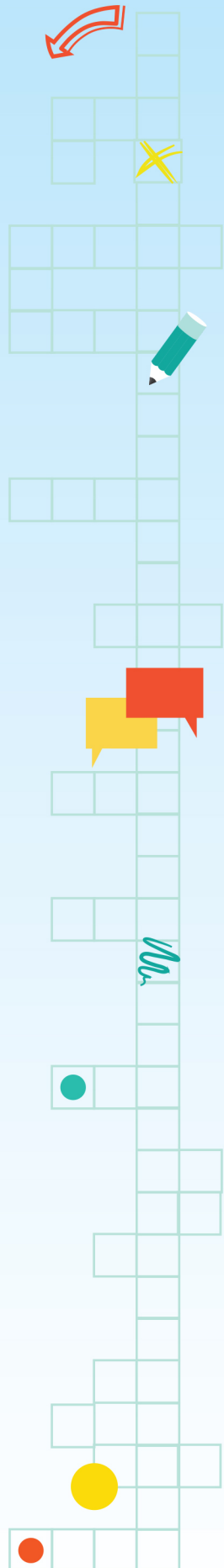
3-D shapes take up volume. They can be described using faces, edges or vertices.

Sort the shapes into 2-D and 3-D shapes by redrawing them in the correct box.
The first one has been done for you.



2-D shapes	3-D shapes
	

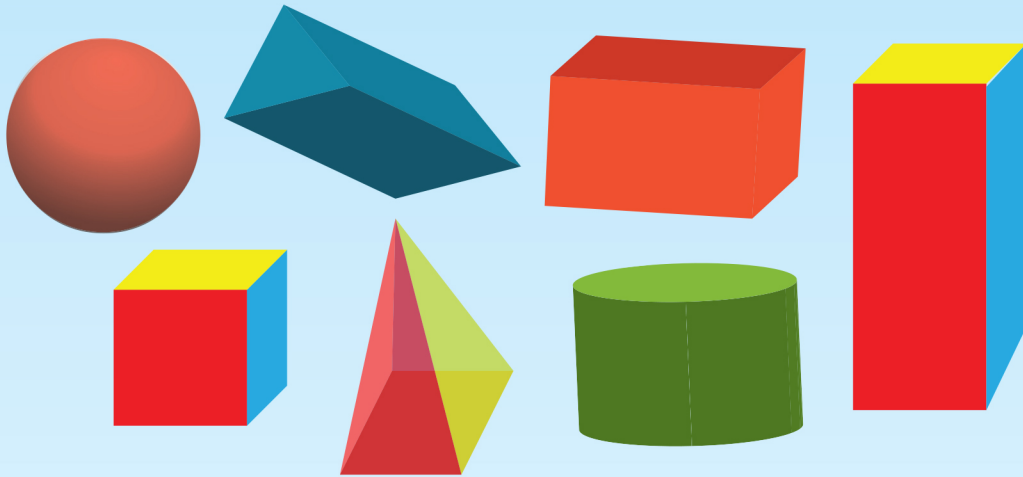
A horizontal row of seven distinct geometric shapes. From left to right, they are: an orange circle, a red square, an olive green rectangle, a dark green triangle, a pink hexagon, a yellow pentagon, and a teal diamond. The shapes are arranged in a slightly overlapping manner against a light blue background.





Activity 3

Sort the following 3-D shapes using the number of faces.

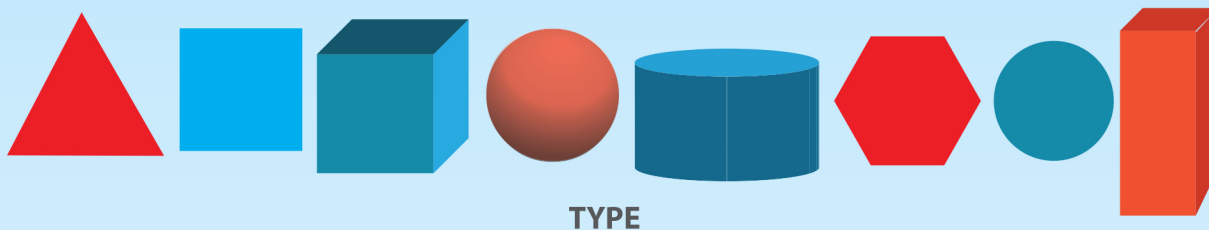


3 faces or less	More than 5 faces

TIP: Some shapes will not fit the rules (criteria) so do not draw them in the box.

Activity 4

Help Themba arrange the following shapes according to 2-D and 3-D. This is a Diagram. We will use four rule (criteria) boxes to sort the shapes. The first one has been done for you.



TYPE

2-D shapes

3-D shapes

Blue
COLOUR

Red

The shapes in this row are all blue

The shapes in this row are all red.

The shapes in this column are all 2-D shapes.

The shapes in this column are all 3-D shapes.

Teacher Tip



There are many different ways to distinguish shapes. One can use type of shape, colour or shape properties such as sides, corners, vertices, edges or faces. There are different ways to represent the sorted shapes. There are two types of shapes. 2-D and 3-D. We describe 2-D shapes, using sides and corners. We describe 3-D shapes using faces, edges, vertices or apex.

