

2 D shapes

Circle -	1 side
Triangle -	3 sides
Square -	4 sides
Rectangle-	4 sides
Pentagon-	5 sides
Hexagon -	6 sides
Heptagon -	7 sides
Octagon-	8 sides

You should know the following shapes and their properties!

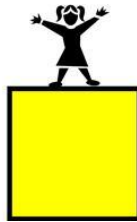
Circle

1 curved side that goes all the way round



Square

4 equal sides
4 corners



Rectangle

4 sides opposite sides are equal
4 corners



Triangle

3 sides
3 corners



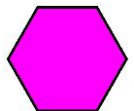
Pentagon

5 sides
5 corners



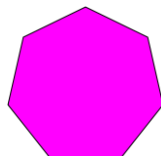
Hexagon

6 sides
6 corners



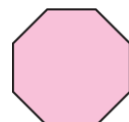
Heptagon

7 sides
7 corners



Octagon





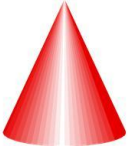

8 sides
8 corners



Children need to be able to talk about a shape using the correct mathematical language. Does a shape have straight or curved sides? How many does it have? How many corners?

There are 2 different types of 2D shapes. They are called regular and irregular. A regular shape has all sides and angles equal. An irregular shape doesn't. So, your child needs to recognise different triangles, pentagons, hexagons etc... not just the traditional (regular) ones they are used to seeing.

3D Shapes

Cube		12 edges 8 corners/vertices 6 faces
Sphere		0 edges 0 corners/vertices 1 face
Cuboid		12 edges 8 corners/vertices 6 faces
Cylinder		2 edges 0 corners/vertices 3 faces
Cone		1 edge 1 corners/vertices called an apex 2 faces
Pyramid		A pyramid varies depending on what shape its base is!

FACE : is the flat or curved surface
VERTEX (CORNER) : is where two or more edges meet
EDGE: is where two faces meet

Now see if your child can sort the above shapes. For example, you could sort them for flat faces or curved faces. You could sort for corners or no corners. Ask your child to come up with some different ways to sort them. At all times encourage them to use the correct mathematical language. You should also get your child to sort the 2D shapes they know as well.

Take your child on a shape hunt through your garden or the different rooms in your house looking for 2D and 3D shapes. You can do this when you are out and about as well. You can find lots of shapes in the supermarket or in the park!

You can look through catalogues and make collages of different shapes or sort them on a venn diagram as illustrated below.

