## **Introduction to Symmetry**

When a shape or a figure is divided into two halves such that one half is the reflection of the other half, then we call the shape or the figure symmetrical and we say it has got symmetry.



All the pictures shown above are symmetrical. In each of these, we can draw a vertical line to divide the picture into two equal halves. The line which divides a shape or figure into two identical halves is called the line of symmetry. Some shapes have one line of symmetry. Some have two and some have even more. There are some shapes which do not have any line of symmetry.

**Note:-** A line of symmetry may be horizontal, vertical or both.

## Let us understand with some examples:

## **Example:**

