

Rotational Symmetry



An object when rotated in a particular direction, around a point is exactly similar to the original object is known to have rotational symmetry. When a geometrical shape is turned, and the shape is identical to the origin, it is known to exhibit rotational symmetry and also known as radial symmetry. Geometrical shapes such as squares, rhombus, circles, etc. show rotational symmetry. We also see rotational symmetry existing in daily life such as exhaust fans, windmills, etc.

The number of positions in which a figure can be rotated and still appears exactly as it did before the rotation, is called the **order of symmetry**.



Examples of Rotational Symmetry

1. The recycle logo has an order of symmetry of 3.



2. The triangle has an order of symmetry of 3.

