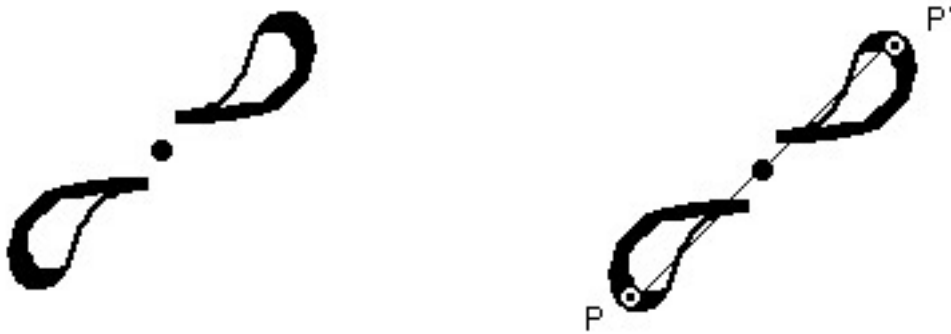


Symmetry and Asymmetry in Nature

Activity 3. Point Symmetry

Reflecting through a fixed point produces another type of symmetry. To each point corresponds another point that is on a segment through the fixed point and is placed symmetrically on the other side of the fixed point.



We can see this type of symmetry also as a rotation of 180° .



Reflecting a symmetrical object through its axis of symmetry leaves the figure invariant. Rotating 180° a figure that has point symmetry is also a transformation that leaves the figure invariant. We will use this idea of transformations and invariants to extend the concept of symmetry.