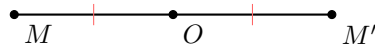


# POINT REFLECTION

## A DEFINITIONS

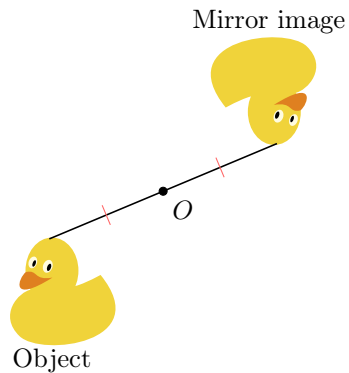
### Definition Point Reflection of a Point

The **Point Reflection** of point  $M$  over point  $O$  is the point  $M'$  such that point  $O$  is the midpoint of the segment  $\overline{MM'}$ .



### Definition Point Reflection

The **Point Reflection** of an object over point  $O$  is the point reflection of all its points, creating an opposite image of the object.



## B CENTER OF SYMMETRY

### Definition Center of Symmetry

A point is a **Center of Symmetry** of an object when the point reflection of the object over this point matches the object.

