## <u>9 - 5</u>

Symmetry

### **Symmetry**

A figure has symmetry if there exists a; translation, reflection, rotation or glide transformation, that maps the figure onto itself.

# Line Symmetry A figure in a plane has line symmetry (reflection symmetry) if the figure can be mapped onto itself using a reflection.





### <u>ORDER</u>

The number of times you can rotate an object so that it maps onto itself

#### MAGNITUDE

Smallest angle at which a rotation exist

Mag = 360 divided by order

