

Exploring anamorphosis: revealing hidden images with mirrors

Activity 1 worksheet

1. Which rules of reflection on a plane mirror still apply here, and which do not? Complete the table.

Property of reflection from a flat surface	Applies	Does not apply
The image is virtual.		
The image is of the same size as the object.		
The image is laterally inverted, meaning that images are not reversed from top to bottom, but are reversed from left to right.		
The distance between the image obtained from the mirror is the same as the distance between the object from the mirror.		
The angle of incidence and the angle of reflection are always equal.		
The incident ray, the normal at the point, and the reflected ray, all lie on the same plane.		

2. Are all parts of the images distorted equally? If not, which show the greatest distortion?

3. Move the mirror closer to and further away from the mirror. Are all parts of the images distorted equally?
