

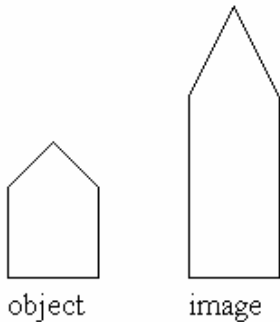
Level: 4

Strand: Measurement

Substrand: Indirect Measure

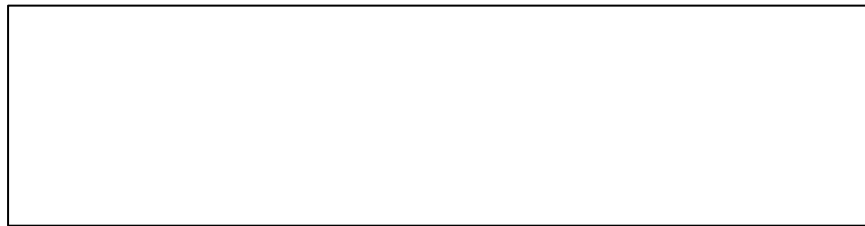
Distorting - The Facts

Enlargements and reductions result in objects and their images have similar shapes. All their sides are in the same proportion. In distortions the images do not have the same shape. Look at the example below

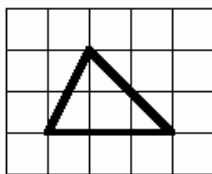


The image is twice the height but the width remains the same. The image is said to be distorted.

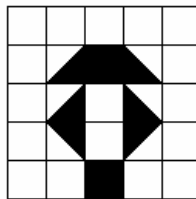
Now sketch the image if it was twice the width but the same height as the original.



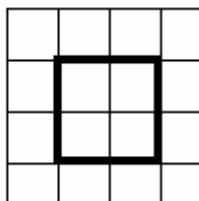
Now Distort the following objects. Draw the object and its image on graph paper



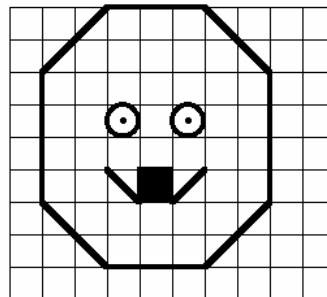
3 times the width



Double the height



3 times height & twice width.



Half the height

Draw 5 other shapes and distort them clearly label the distortions. Distort their height and width. Hand in your most creative one to the teacher. Presentation is important.

Reflection

Describe in your own words what distortions are?

How would you recognise them?