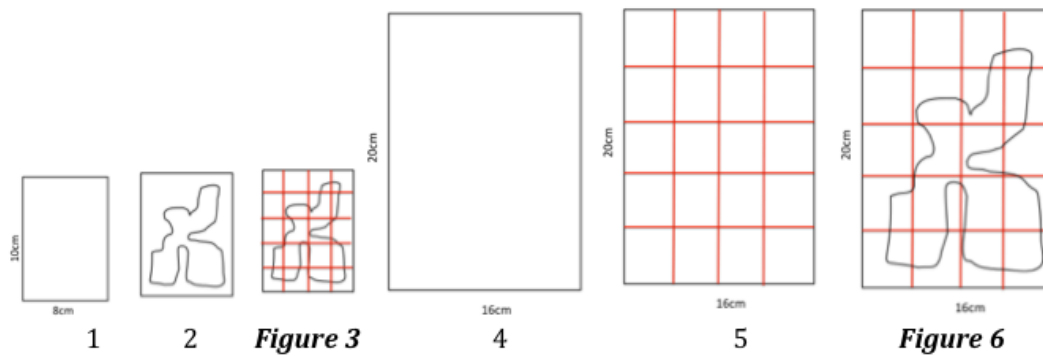


Model World: Scale Factor



What is the size relationship between *Figure 3* and *Figure 6*?

Explain, how you know, using measurements.

Write the ratio of the image to the original.

What is the Scale Factor?

Explain how you know.

What is the size relationship between *Figure 6* and *Figure 3*?

Explain, how you know, using measurements.

Write the ratio of the image to the original.

What is the Scale Factor?

Explain how you know.

What do you notice about the relationship between the **enlargement** scale factor and the **reduction** scale factor?

The scale factor of an enlargement is (always) _____

The scale factor of a reduction is (always) _____

If the scale factor connecting the object with its image is usually shown by the **letter k**, use these symbols $<$, $=$, $>$ to write a statement about:

An image that is larger than the original object: enlargement.

An image that is the same size as the original object.

An image that is smaller than the original object: reduction.