



Figure 3

Figure 6

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.
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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.