

Unit 4: Scale Factors & Similarity

4.1 Enlargements & Reductions

Enlargements and reductions can be drawn using _____ or _____.

Enlargement:

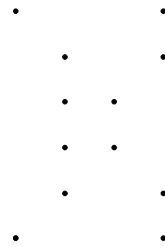
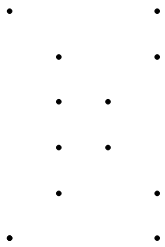
Reduction:

Scale Factor:

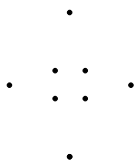
ex. Make the following letter twice as large:



ex. Make the following letter half as large



ex. Draw a picture with dimensions 3 times as large as this original:



Use the following vocabulary words to fill in the blanks below:

- constant/enlargement/reduction/scale factor/smaller/larger

A scale factor greater than 1 indicates a(n) _____, which results in an image that is the same shape but proportionally _____ than the original.

A scale factor less than 1 indicates a(n) _____, which results in an image that is the same shape but proportionally _____ than the original.

The _____ is the _____ amount by which all dimensions of an object are enlarged or reduced in a scale drawing.