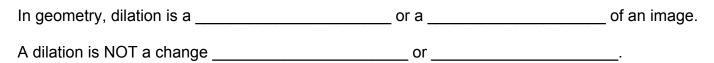
Name: _____

Lesson Guide

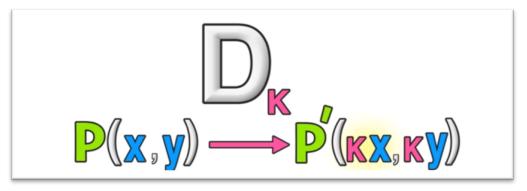
This lesson guide accompanies the following video lesson:

Geometry Transformations: Dilations

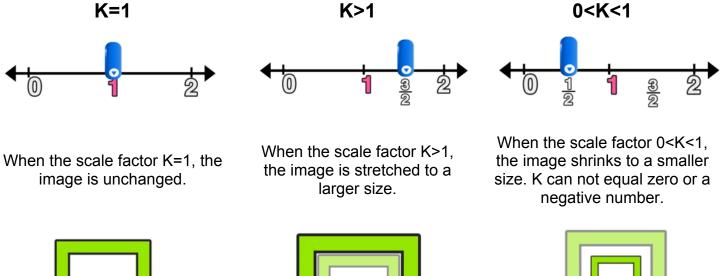


Scale Factor

Notation: When dilating an image with a scale factor K:



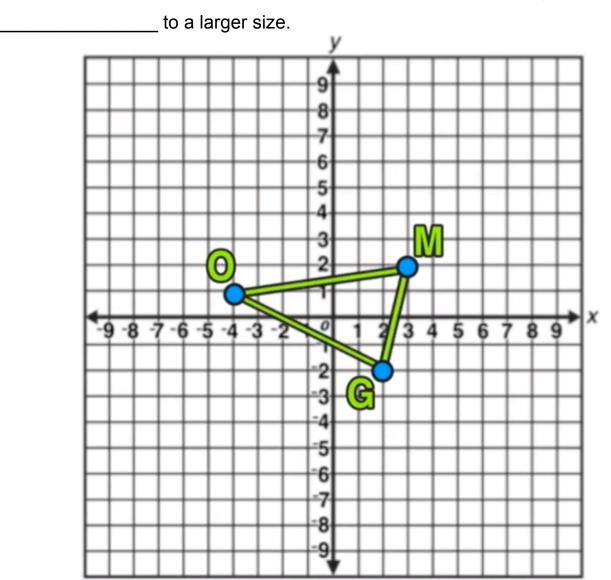
Scale Factor: The scale factor **K** will determine whether a dilation results in an image getting larger (stretch) or smaller (shrink).

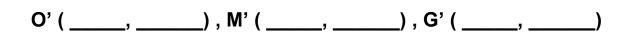


Example 01:

Perform the following dilation on riangleOMG: $m{D}_2$

In this example, the scale factor is _____. Since K _____ 1, the figure will be



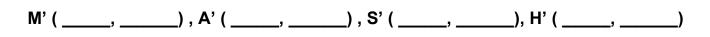


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Example 02:

Perform the following dilation on riangleOMG: $D_{rac{1}{3}}$

In this example, the scale factor is _____. Since K _____ 1, the figure will be _____to a larger size. ►x 8 9 -6 -3 -5 -4 -2



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