

Dilations Activity

You will be creating 5 different Dilations today. Your tasks for these Dilations are as follows:

1. Dilate a triangle of your choice using a scale factor of 2. Label all parts and segment lengths.
2. Dilate a triangle of your choice using a scale factor of $1/2$. Label all parts and segment lengths.
3. Dilate any shape you like ***except a triangle*** . Use a scale factor of 1.25.
4. Dilate a Star (5 Vertices) using a scale factor of 2.5.
5. Create a challenging Dilation pre-image and image but DO NOT LIST ANY LENGTHS. ONLY YOU WILL KNOW WHAT THE SCALE FACTOR IS. THE ONLY RULE IS IT CAN'T BE A FACTOR OF 2 or $1/2$. Think of this as a Test question for someone to look at and determine the scale factor being used.

You will be graded on neatness, correctness and creativity. Make sure your name, date & period are on your paper. You should have enough room front & back to fit all 5 on 1 sheet of paper.