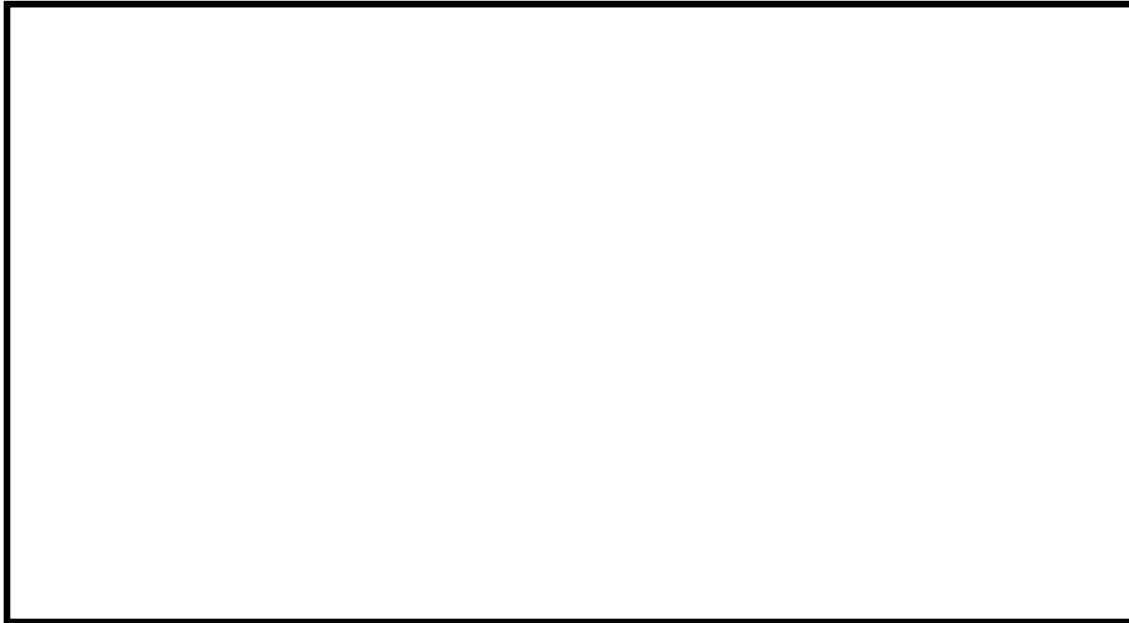


## How Big Should It Be?

Below you will find a shape. Using a ruler find the side lengths of this shape.

On a piece of chart paper, create a similar shape that is 5 times the shape and then 10 times the shape.

Label each of the new sides. Explain in one paragraph how you found the new shapes.



What is the ratio of the original shape to the new shapes?

What is the ratio of the shape 5 times larger to the shape that is 10 times larger?

Compare all of the ratios you have found.

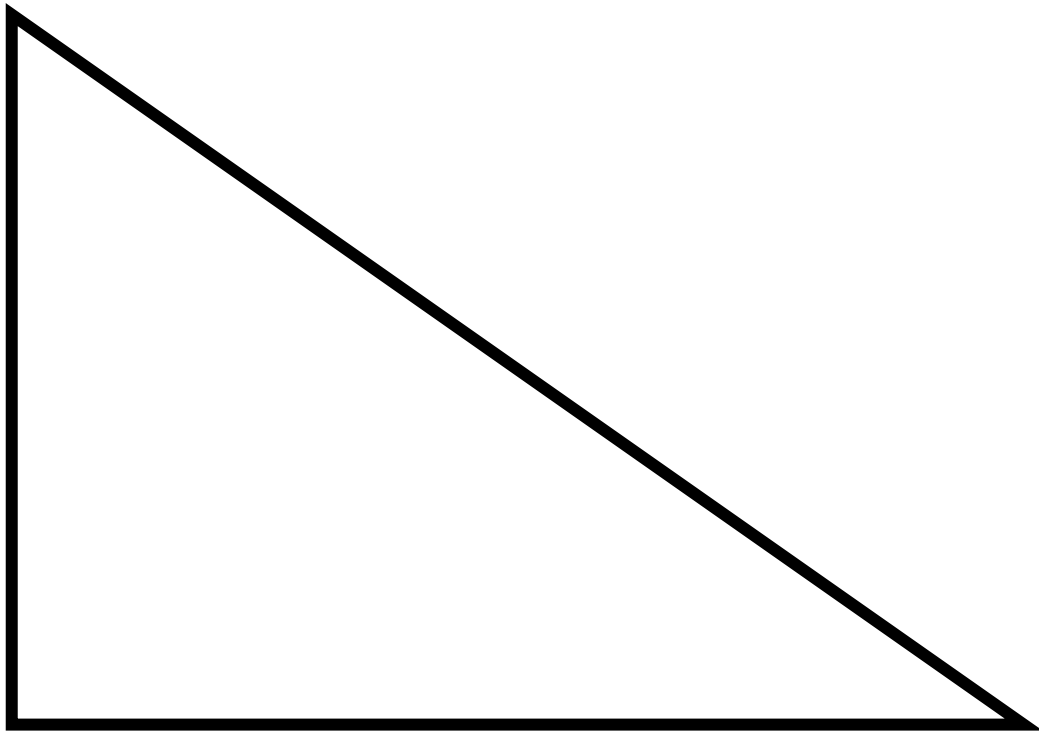
*\*\*Extension: If all of the sides are 5 times bigger, what does this do to the area of the shape? Explain.*

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*Explain.*