

Name : _____

Ratio of Perimeters and Areas

Sheet 1

- 1) Find the ratio of perimeters and the ratio of areas, if the scale factor of two similar triangles is $2.3 : 4.5$.

- 2) The scale factor of two regular octagons is $5 : 2$. Find the ratio of their perimeters and the ratio of their areas.

- 3) If the scale factor of two similar polygons is $3 : 4$, find the ratio of their perimeters and the ratio of their areas.

- 4) Determine the ratio of the perimeters and the ratio of the areas of square N to square M if the side length of square N is $9 : 7$.

- 5) What are the ratio of the perimeters and the ratio of the areas of two similar parallelograms if the scale factor is $8 : 5$?

- 6) Gina decorates the stairway with a couple of art paintings of similar shape. If the scale factor of the art paintings is $3 : 5.2$, determine the ratio of their perimeters and the ratio of their areas.

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