

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 geometric figures is $0.7 : 6$, what would be the ratio of their perimeters and the ratio of their areas?

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

- 5) What are the ratio of perimeters and the ratio of areas, if the scale factor of two similar parallelograms is $8.1 : 1$?

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