

Name : _____

Ratio of Perimeters and Areas

Sheet 3

- 1) Rectangles A and B are similar. If the scale factor of the rectangles is $7 : 1$, what would be the ratio of their perimeters and the ratio of their areas?

- 2) Two regular nonagons have a scale factor of $1.9 : 8$. Determine the ratio of their perimeters and the ratio of their areas.

- 3) What are the ratio of their perimeters and the ratio of their areas if the scale factor is $9.6 : 1.7$?

- 4) If the scale factor of two similar rectangles is $3 : 5$, what is the ratio of their perimeters and the ratio of their areas?

- 5) The scale factor of two similar squares is $4 : 7$. What is the ratio of their perimeters and the ratio of their areas?

- 6) Lucy uses interlocking plastic blocks to make a model of a square wall clock. The scale factor of the actual clock to the model clock is $4.8 : 2.9$. Find the ratio of their perimeters and the ratio of their areas.

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_____ ratio of two similar hexagons

_____ ratio of their perimeters

_____ ratio of their perimeters