

Name : _____

Ratio of Perimeters and Areas

Sheet 2

- 1) What are the ratio of perimeters and the ratio of areas, if the scale factor of two similar heptagons is $1 : 3.6$?

- 2) Find the ratio of perimeters and the ratio of areas, if the scale factor of two regular geometric figures is $6.2 : 9$.

- 3) Rhombus A and rhombus B are similar. Find the ratio of their perimeters and the ratio of areas, if the scale factor of their perimeters is $3 : 5$.

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

- 5) If the scale factor of the perimeters of two similar triangles is $5 : 8$, find the ratio of their areas and the ratio of their perimeters.

- 6) Howard buys stop signs in two different sizes from an online store. If the stop signs have a scale factor of $8 : 5$, determine the ratio of their perimeters and their areas.

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Ratio of Perimeters and Areas

- 1) What are the ratio of perimeters and the ratio of areas, if the scale factor of two similar heptagons is 1 : 3.6?

Ratio of perimeters is 1 : 3.6 ; Ratio of areas is 1 : 12.96

- 2) Find the ratio of perimeters and the ratio of areas, if the scale factor of two regular geometric figures is 6.2 : 9.

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- 3) Rhombus A and rhombus B are similar. Find the ratio of their perimeters and the ratio of areas, if the scale factor of their perimeters is 1 : 3.

Ratio of perim

- 4) The scale factor of two similar squares is 3 : 4. Find the ratio of their perimeters and the ratio of their areas.

Ratio of

- 5) If the scale factor of two similar triangles is 2 : 3, find the ratio of their perimeters and the ratio of their areas.

Ratio of perimeters is 6 : 0.7 ; Ratio of areas is 36 : 0.49

- 6) Howard buys stop signs in two different sizes from an online store. If the stop signs have a scale factor of 8 : 5, determine the ratio of their perimeters and their areas.

Ratio of perimeters is 8 : 5 ; Ratio of areas is 64 : 25