Name:_____

Group:_____

PERIMETER and AREA of SIMILAR FIGURES

If *k* represents the scale factor of two similar figures…

→ The _____ of the _____ is equal to *k*!

→ The _____ of the areas is equal to k^2.

Example:

A square with a side length of 10 cm is transformed by a dilation with scale factor of 3/2.

Initial figure

Side length	Perimeter	Area
10 cm		

Square's Image

Side length	Perimeter	Area