

Name \_\_\_\_\_

# Scale factors

Identify the Scale Factors.

1) A rectangle has a width of 4 cm and a similar rectangle has a width of 8 cm. What is the scale factor?	2) Two similar triangles have side lengths of 6 cm and 18 cm. What is the scale factor from the smaller triangle to the larger triangle?
3) A square with a side length of 5 cm is enlarged to a side length of 10 cm. What is the scale factor?	4) Two similar cylinders have heights of 7 cm and 21 cm. What is the scale factor from the smaller cylinder to the larger cylinder?
5) The side lengths of two similar parallelograms are 8 cm and 32 cm. What is the scale factor from the smaller parallelogram to the larger one?	6) Two similar hexagons have side lengths of 12 cm and 60 cm. What is the scale factor from the smaller hexagon to the larger hexagon?
7) Two similar pentagons have side lengths of 5 cm and 20 cm. What is the scale factor from the smaller pentagon to the larger pentagon?	8) A small painting has a height of 15 cm and is scaled up to a height of 45 cm. What is the scale factor?
9) Two similar rectangles have perimeters of 24 cm and 72 cm. What is the scale factor from the smaller rectangle to the larger rectangle?	10) Two similar cones have heights of 9 cm and 45 cm. What is the scale factor from the smaller cone to the larger cone?