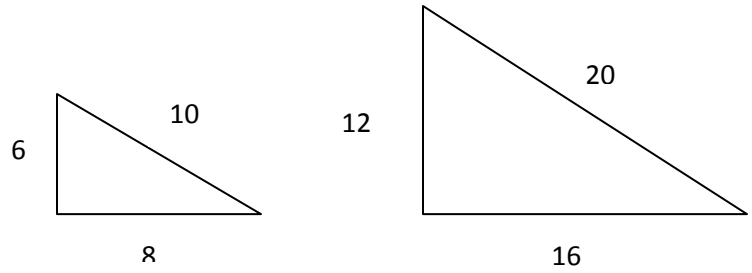


Worksheet 5-10: More Scale Factor - How Scaling a Polygon Affects Perimeter and Area

Name \_\_\_\_\_ Date \_\_\_\_\_ Hour \_\_\_\_\_

1.



Are the Triangles Similar? \_\_\_\_\_

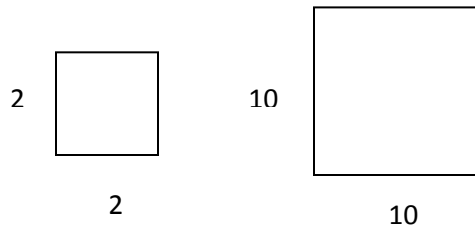
Scale Factor = \_\_\_\_\_

Geometric Shape	Base	Height	Perimeter	Area
Original Triangle				
New Triangle				

What happens to the Perimeter? \_\_\_\_\_

What happens to the Area? \_\_\_\_\_

2.



Are the Squares Similar? \_\_\_\_\_

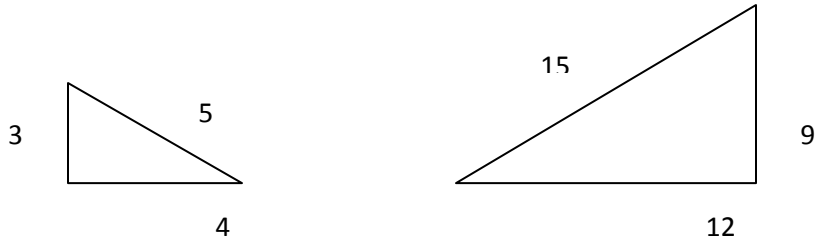
Scale Factor = \_\_\_\_\_

Geometric Shape	Base	Height	Perimeter	Area
Original Square				
New Square				

What happens to the Perimeter? \_\_\_\_\_

What happens to the Area? \_\_\_\_\_

3.



Are the Triangles Similar? \_\_\_\_\_

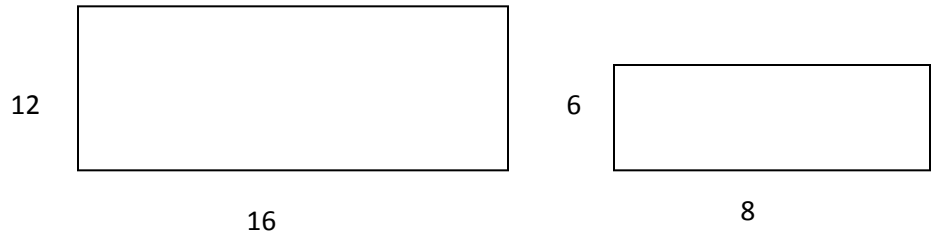
**Scale Factor** = \_\_\_\_\_

Geometric Shape	Base	Height	Perimeter	Area
Original Right Triangle				
New Right Triangle				

What happens to the Perimeter? \_\_\_\_\_

What happens to the Area? \_\_\_\_\_

4.



Are the Rectangles Similar? \_\_\_\_\_

**Scale Factor** = \_\_\_\_\_

Geometric Shape	Base	Height	Perimeter	Area
Original Rectangle				
New Rectangle				

What happens to the Perimeter? \_\_\_\_\_

What happens to the Area? \_\_\_\_\_