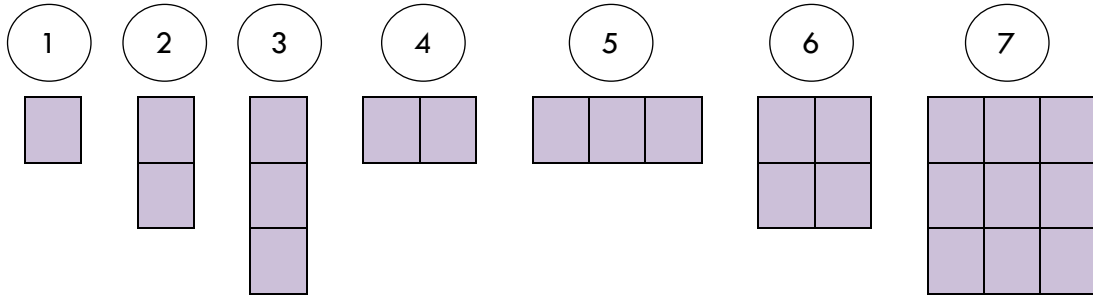


**Perimeter and Area of Polygons and Circles**  
*Elaborate*

**Directions:** Examine the shaded figures below. Use the figures to complete the table. Answer the questions that follow.



Rectangle Number	Change Compared to Rectangle 1	Length	Width	Perimeter	Area
1	Length: Width:				
2	Length: Width:				
3	Length: Width:				
4	Length: Width:				
5	Length: Width:				
6	Length: Width:				
7	Length: Width:				

**Debriefing Questions**

1. What is the effect on the perimeter if only one dimension of a rectangle is increased?
2. What is the effect on the perimeter if a scale factor is applied to both dimensions?
3. What is the effect on the area if a scale factor is applied to only one dimension?
4. What is the effect on the area if a scale factor is applied to both dimensions?

