


Koch Snowflake:  (the full snowflake has 6 sides with that design)

Shape	Iteration	Length of Each Segment	Number of Segments	Total Length (Perimeter)	Area of Each Added Triangle	Number of Added Triangles	Total Newly-Added Area	Total Area Inside Triangles
	1	1	4	4	$\sqrt{3}/4$	1	$\sqrt{3}/4$	$\sqrt{3}/4$
	2	$1/3$	16	$16/3$	$\sqrt{3}/36$	4	$\sqrt{3}/9$	$\sqrt{3}(\frac{1}{4} + \frac{1}{9})$
	3	$1/9$	64	$64/9$	$\sqrt{3}/324$	16	$\sqrt{3}/20.25$	$\sqrt{3}(\frac{1}{4} + \frac{1}{9} + \frac{1}{20.25})$
	$\lim_{n \rightarrow \infty} \text{Perimeter} = \infty$				$\lim_{n \rightarrow \infty} \text{Area} = \frac{\sqrt{3}}{4}$			
							$1 - 4/9$	

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