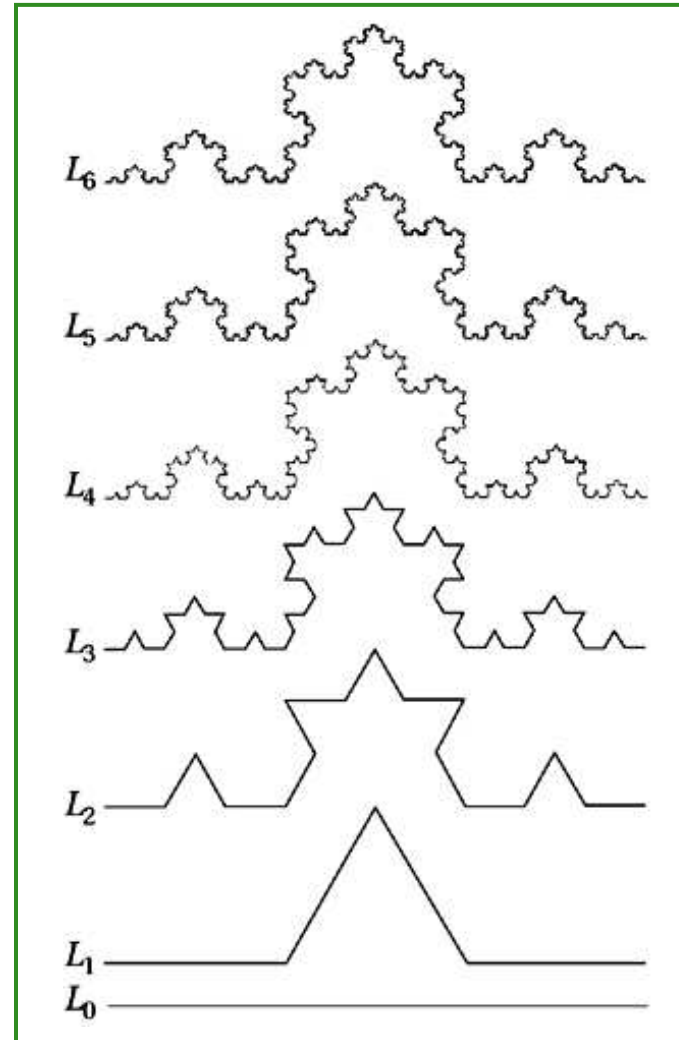


# Snowflake Curve & Fractal Dimension

The fractal dimension of an object is defined as a number  $D$  such that

$$N = R^D$$

where  $N$  is the factor by which the number of elements increases when we shorten the ruler by a reduction factor  $R$ .



# Sierpinski Triangle Iterations

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# Sierpinski Triangle Iterations

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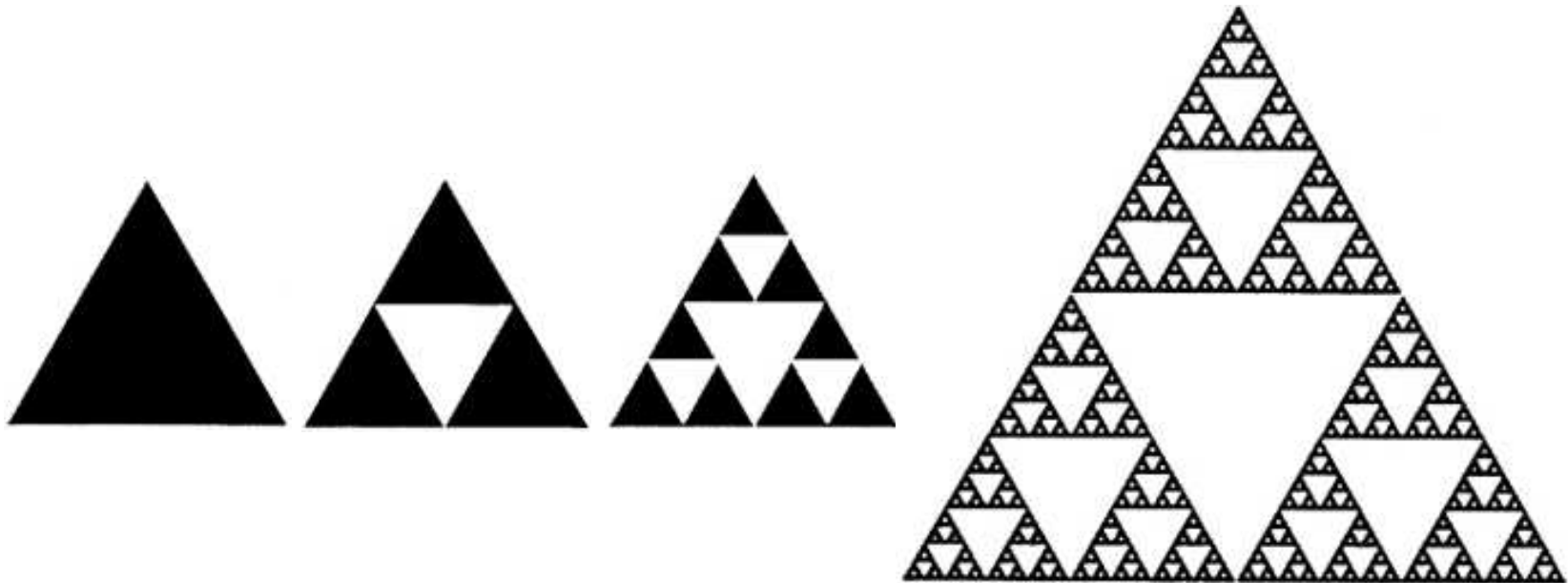
# Sierpinski Triangle Iterations

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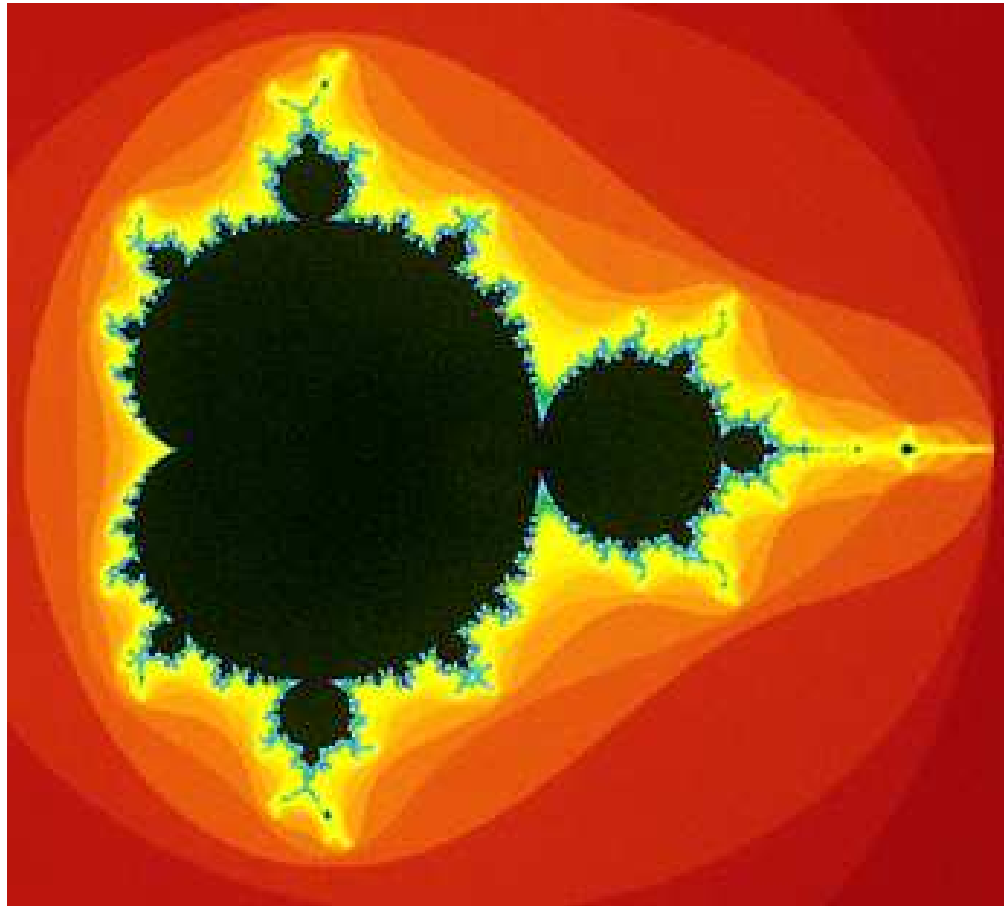
# Sierpinski Triangle Iterations

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# The Mandelbrot Set

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# Two Views of Barnsley's Fern

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# A Fractal Landscape by Anne Burns

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10-C

