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Elijah M. Allen*, pupilofyah@gmail.com, and **Louis H Kauffman**. *Visualizing the Collatz conjecture*.

Also known as the $3n+1$ conjecture, if we iteratively take a positive integer and if it is even divide by 2 and if odd multiply by 3 and add 1 then Collatz conjectures that we will always reach 1. Our approach to this problem is to an image for a given starting number in order to create an intuitive understanding and then using this to fuel the a mathematical understanding. (Received September 18, 2013)