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Caleb Emmons* (emmons@pacificu.edu), Dept. of Mathematics and Computer Science, 2043 College Way, Forest Grove, OR 97116. *How to cook up a math poem in n easy steps*. Preliminary report.

Mathematical poetry attempts to distill a mathematical concept and present it in a literary or visually interesting way. For example, is the text “`-- .. - ..-.. .. ---- - - -.--.-.-.-... -...-.. ..-.-.-.-...-...-...-...-...-..-..-..-`” the beginning of π in binary (with $1 \leftrightarrow -$ and $0 \leftrightarrow .$), or the beginning of a poem written in Morse code? Both! In this talk I outline my general method for writing mathematical poetry and elucidate it with several examples, including an extended meditation on the composition of the poem referenced above. (Received September 14, 2010)