

## A Math Poem

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### Recommended Citation

Katz, S. R. "A Math Poem," *Journal of Humanistic Mathematics*, Volume 7 Issue 2 (July 2017), pages 415-415. DOI: 10.5642/jhummath.201702.24 . Available at: <https://scholarship.claremont.edu/jhm/vol7/iss2/24>

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# A Math Poem

Sara R. Katz

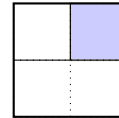
srkatz@gmail.com

Inspired by James Henle’s article, “Is (Some) Mathematics Poetry?” in Volume 1, Issue 1 of this journal (available at <http://scholarship.claremont.edu/jhm/vol1/iss1/7/>), which encouraged readers to try their hand at the genre, I wrote a math poem of my own. I hope that others are as delighted as I was by this surprising and beautiful relationship.

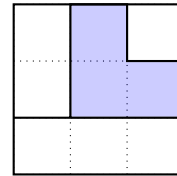
$$1 = 1^2$$



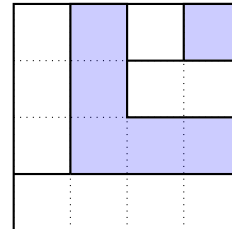
$$1 + 2 = 2^2 - 1^2$$



$$1 + 2 + 3 = 3^2 - 2^2 + 1^2$$



$$1 + 2 + 3 + 4 = 4^2 - 3^2 + 2^2 - 1^2$$



$$1 + 2 + 3 + 4 + 5 = 5^2 - 4^2 + 3^2 - 2^2 + 1^2$$

