

A Math Poem

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A Math Poem

Sara R. Katz

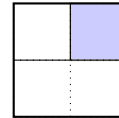
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Inspired by James Henle's article, "Is (Some) Mathematics Poetry?" in Volume 1, Issue 1 of this journal (available at <http://scholarship.claremont.edu/jhm/vol1/iss1/7/>), which encouraged readers to try their hand at the genre, I wrote a math poem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

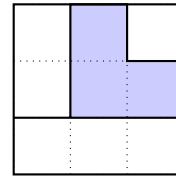
$$1 = 1^2$$



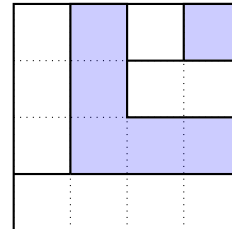
$$1 + 2 = 2^2 - 1^2$$



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



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



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

