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In [1] it is shown that it is possible to tile the plane using exactly one square of each integral side-length. We will present new results stemming from this discovery dealing with the nature, the possibility, and the impossibility of square tilings.

[1] Henle, F. V. and Henle, J. M., "Squaring the Plane," *The Am. Math. Monthly*, 115(1): 3-12, 2008. (Received September 13, 2008)