

1145-J1-2890

Stephen M. Walk* (smwalk@stcloudstate.edu), Department of Mathematics and Statistics, ECC 139, St. Cloud State University, 720 4th Ave. S., St. Cloud, MN 56301-4498. *A block-headed approach to binomial expansions.*

Claims of the form “ $(x+y)^n = x^n + y^n$ ” are high on every mathematics educator’s list of common, egregious algebra errors. A simple classroom activity involving manipulatives can connect the algebraic symbols to their underlying geometric meanings and pave the way for a look at Pascal’s triangle, combinations, and the binomial theorem. (Received September 25, 2018)