# How many triangles?

A square can be cut up into two triangles in two ways, depending on which diagonal we use to perform the cutting. In how many ways can a pentagon be cut up into three triangles? What about cutting up a hexagon into four triangles, or in general cutting up figures with even more sides? The number of ways of performing these cuts leads to an interesting type of number called a "Catalan number". We'll explore the math behind these problems and more! Come join us at the

EVANSTON MATH CIRCLE
Saturday, October 14
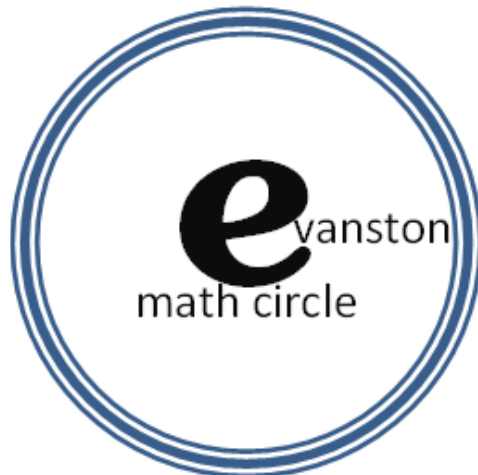
Northwestern University
Lunt Hall Room 218, 11:00 AM to 12:30pm

Math Circle is geared towards middle- and beginning high-school students, but students of other ages and backgrounds are welcome as well. More information is available at http://www.math.northwestern.edu/~scanez/mathcircle/

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