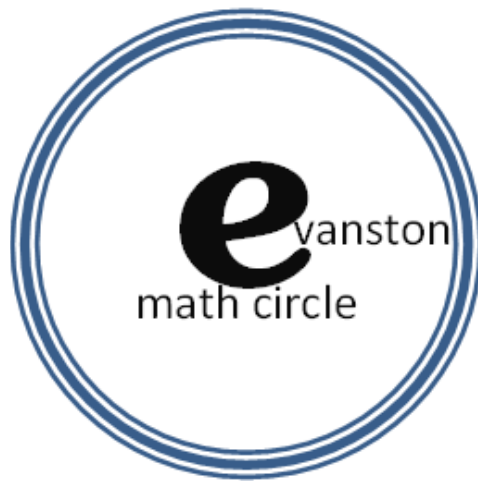## Coloring Necklaces

Take a necklace with some number of beads and color them using, say, 6 colors. In how many ways can this be done? What if we impose the condition that neighboring needs cannot have the same color? We'll explore some of the math behind these questions, which are related to deep problems in the areas of math known as graph theory and combinatorics. Come join us at the

EVANSTON MATH CIRCLE
Saturday, March 18

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/