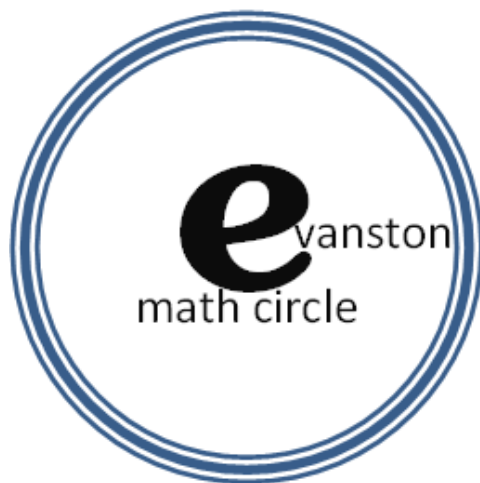


## Towers of Hanoi

Take a board with 3 pegs and 4 disks of varying sizes all stacked on one peg. In the “Towers of Hanoi” puzzle, we aim to move the entire stack of disks onto a new peg by moving one disk at a time, and where the only rule is that we can only move a disk onto a disk which is larger. (In other words, we can never a move larger disk onto a smaller disk.) How many moves will it take to complete the puzzle? What if we instead started with 5 disks? 20 disks?

We’ll explore some of the math hidden within this and related puzzles! Come join us at the

## **EVANSTON MATH CIRCLE** **Saturday, September 21**



**Northwestern University**  
**Lunt Hall Room 218, 11:00 AM to 12:30pm**

Math Circle is geared towards eager middle-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/>