GATHERING
FOR GARDNER

$D_6 = \langle\, x\, ,\, y : x^6 = y^2 = 1,\ xy = yx^{-1}\,\rangle$

60°

6-fold radial symmetry

MATH
CARNIVAL

01.28.17

The Department of Mathematics at the University of Illinois at Urbana-Champaign
Illinois Geometry Lab & University of Illinois chapter of the Association for Women in Mathematics
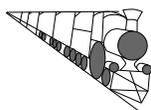
2-5 pm, Saturday, January 28, 2017
Altgeld Hall, 1409 W. Green Street, Urbana
Website: math.illinois.edu/~lanius2/G4G.html

This fun filled day will be packed with hands on activities, demonstrations, games and puzzles, refreshments, and mathematical prizes for participants! We will have activities for members of the public of all ages.

This year's featured booths include:

ESTIMATION STATION

All aboard to estimation station! How many chocolate chips are in a chocolate chip cookie? Which has more surface area: a cat or a sea otter? How far is it from the earth to the moon? Learn how to use geometry to improve your estimation skills and answer questions like these! Earn prizes by taking on our estimation challenge!

Despite their unimposing coppery facades, pennies are the best and most versatile coin in circulation: you can stack them, slide them, flip them, and arrange them! As you work your way through our series of penny puzzle challenges, you will explore game strategy, spatial reasoning, and learn to think outside the box.

PENNY PARADE

TILE EMPORIUM

At the tile emporium you will work to fit familiar pieces together in new ways. Can you create a large square with 1 L-shaped tile and 1 square tile? What if you were given 5 L-shaped tiles and 1-square tile? As we work through numerous puzzle challenges - building more and more complicated images - we will discover the art of mathematical induction!

Frequently asked questions:

Who can I contact about Gathering for Gardner? Feel free to email organizers Melinda Lanius at lanius2@illinois.edu or Philipp Hieronymi at phierony@illinois.edu.

Who is the target audience of your event? All activities are free and open to the public and there is no math training required to enjoy! Our puzzles are particularly designed for kindergarten, elementary school, and middle school students. Please come visit us and bring the whole family!