

the MathILy-Er Record Of Mathematics (ROM)

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By: Katherine (hue ikea entry), Daisy (her sad himaylan bee), and Estelle (glee's lute duet)

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Week of Chaos Class Summaries

Advanced Lock Picking

By: Camillo

I was in Sam's class for the Week of Chaos called Advanced Lockpicking. Even after having finished it I have no idea what it has to do with picking locks, but as interesting as that would be I think what we did during our lessons was more intriguing. We started off by looking at symmetries of shapes, and how to write them out and manipulate mostly squares with these different symmetries. Not too far off from what we did in the Algebraists Anonymous and Through the Looking Glass classes.

Where the lessons got interesting, however, was when we introduced the CUBE. We began looking at how you can rotate and flip a cube and began relating that to the cube we all know and love, the Rubik's cube. During the final lesson we took apart the movements of a Rubik's cube and which moves were and weren't possible, so that we could find the total number of different starting combinations for a cube \rightarrow a nice number of $(12! \cdot 8! \cdot 2^{12} \cdot 3^8) / (2 \cdot 2 \cdot 3)$.

That Game With 81 Cards

By: Max