

Puzzlegram Project:



Overview: If you choose this project you will have to

1. Solve 2 of the 4 puzzles shown below
2. Fill out a 'worksheet' for each of the puzzles you solved
3. Show the solution of each puzzle

Directions:

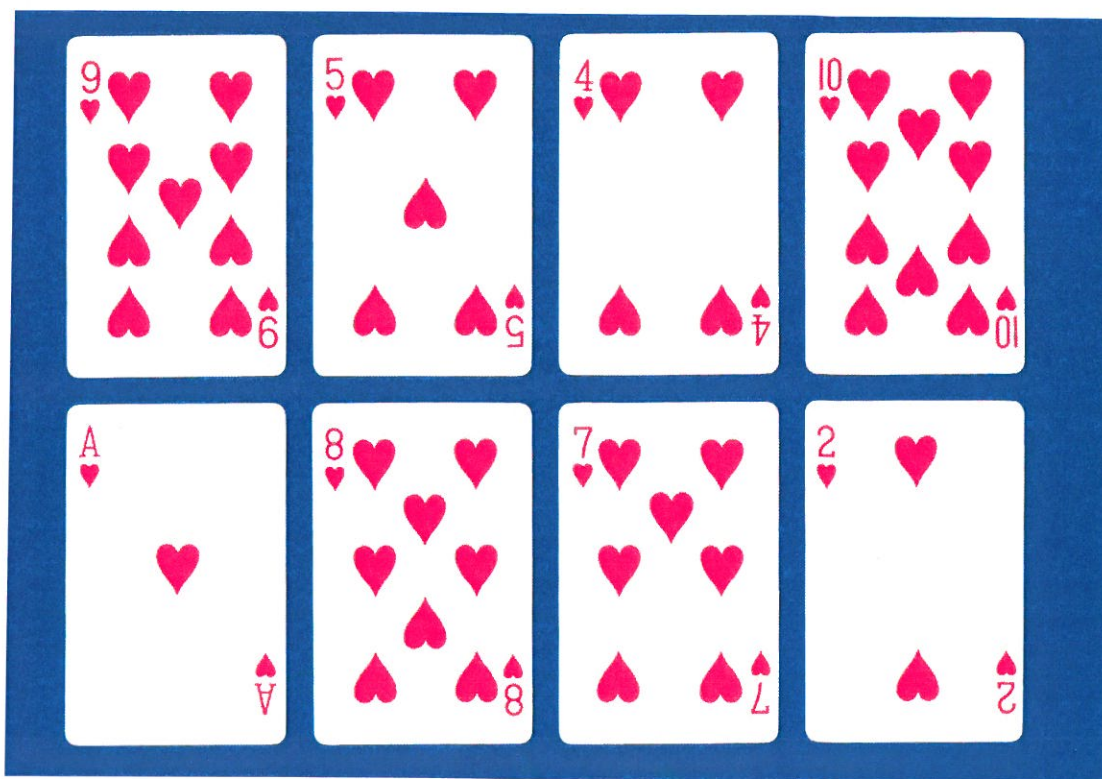


Determine the puzzle to solve

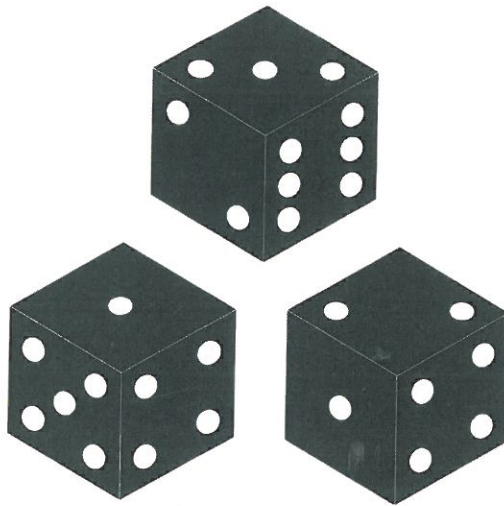
1. Look at each of the puzzles and read the requirements
2. Determine which ones you want to attempt (you may change your mind – it doesn't matter)
3. Complete the chart below for the successfully completed puzzles.

Puzzle Descriptions:

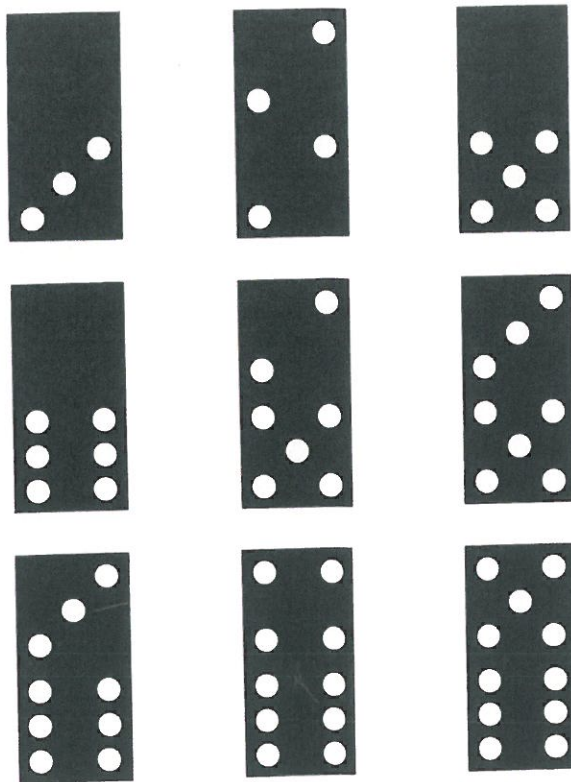
1. **Card Trick** - If you turn just two adjacent cards 180 degrees, the number of right-side-up hearts will equal the number of upside-down hearts. Which two cards should be turned?



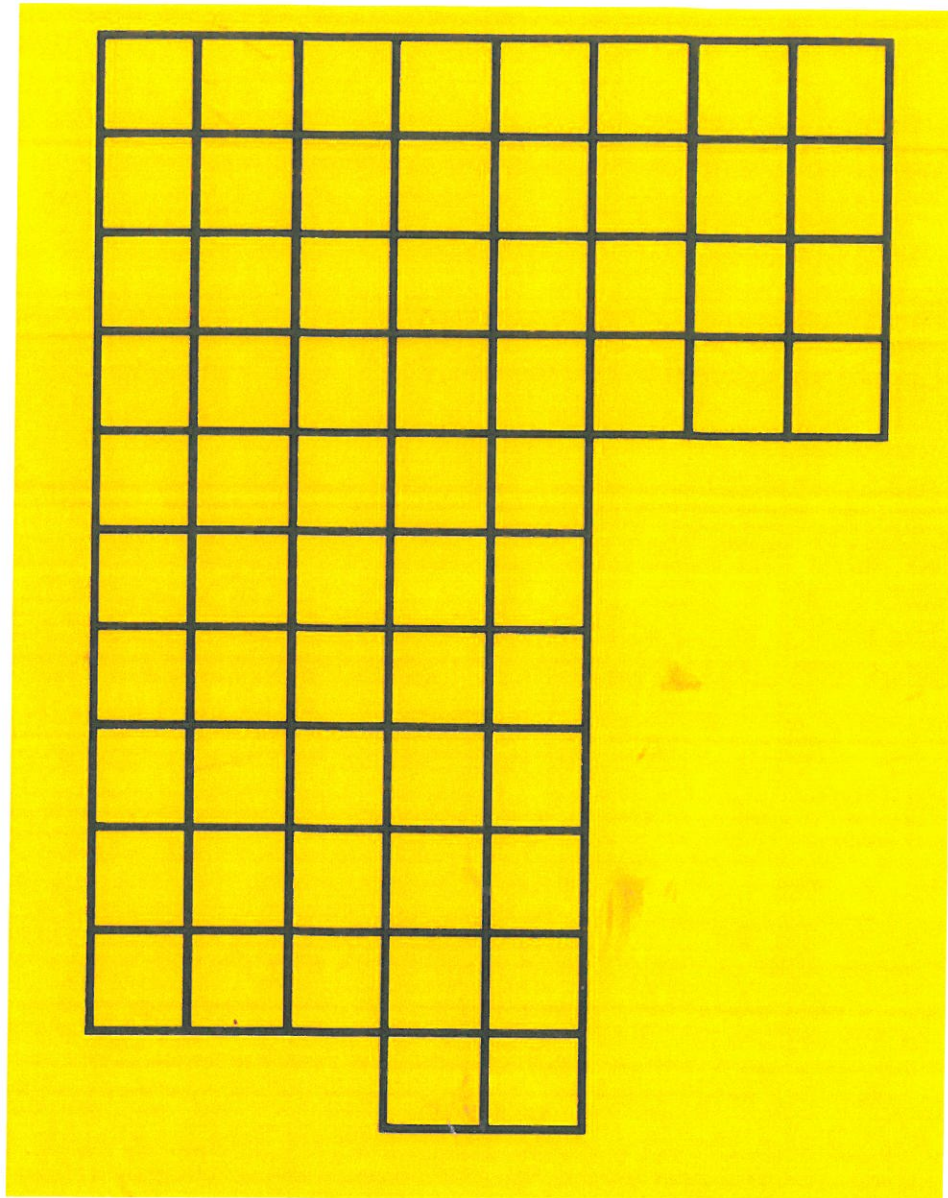
II. **Cube Challenge – Which one of these dice is different from the other two?**



III. **21 Dominoes – Rearrange the dominoes so that the sum of the dots on every vertical, horizontal, and diagonal now totals twenty-one.**



- IV. An 8 x 8 square – Cut this shape, which consists of sixty-four small squares, into just two parts. Without turning either piece over, fit them together to form an eight by eight square.



Deliverables: (the work you need to hand in)

1. A completed work sheet (see below) for each of the solved puzzles.
Please staple all pages together and make sure your name is on the top sheet.
If you have any questions you can email Mrs. Breault at jbreault@stmichael.net.
Hope you had fun and your brain doesn't hurt too much!

Your Name _____

Worksheet for (Name of puzzle): _____

I noticed that: (write what you noticed about the puzzle that helped you solve it)

I wonder: (write about what changes you could make and how they might help you solve the puzzle)

My solution: (show the solution to the puzzle)