

MATHCOUNTS[®]

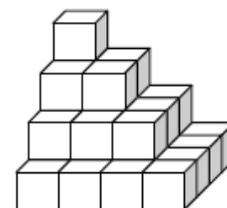
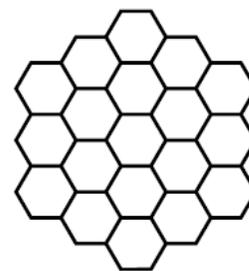
MathCounts, a nationwide enrichment, club, and competition program for 6th, 7th and 8th graders, is designed to:

- ★ Excite students about math by providing a fun and challenging experience that rewards their efforts and achievements.
- ★ Teach young adults to be problem solvers and be coached in accelerated topics such as probability, statistics, linear algebra and polynomials.
- ★ Demonstrate how math is important to everyday life.
- ★ Build essential teamwork skills and develop their competitive spirit through interscholastic competitions with surrounding middle schools.

MathCounts meets at Indian Valley Middle School after school each week on **Thursdays** until 4:00 in room E-38 starting at the end of September. Mr. Johnson, who teaches math at Indian Valley MS, is the coach and facilitator. At each meeting, 6th, 7th, and 8th grade students will solve various problems, both individually and as part of a team. If a student can't make it to a meeting, that's ok. The policy will always be - "Come when you can."

Here are some sample problems:

- ✗ Zoë floats on a raft and each day she paddles 3 mi north, but each night while she rests, the current of the river carries the raft 2 mi south. How many days will it take Zoë to first reach a location 50 mi north of her starting location?
- ✗ What is the fewest number of colors that can be used to color the 19 hexagonal pieces so that no two of the hexagonal pieces sharing a side are the same color?
- ✗ Paula can have pennies, nickels, dimes and quarters in her purse. The average value of the coins in her purse is 20 cents. If she adds one more quarter to her purse, the average value of all of the coins will be 21 cents. How many nickels does she have in her purse?
- ✗ A tennis court with a length of 78 ft is 6 ft longer than twice its width. What is the width of the tennis court?
- ✗ Cubes with 2-inch edges are stacked to form the figure shown. What is the total volume of the structure?



For more information about **MathCounts**, check out their fantastic website at <http://mathcounts.org/>. And if you have any questions, feel free to email the coach, Mr. Drew Johnson at DJohnson@soudertonsd.org.