Mapping Discoveries in GMP 1

Mr. Goehrig’s class has been focusing on mappings and operational systems this quarter. While working on the latest project, his students have been thinking creatively and making their own discoveries. In this example, a is mapped to itself and we see all the ways that b, c and d can be connected to b, c and d. You might think of the letters as people and the arrow meaning ‘gives a present to’, for example.

A portion of Henrietta Rasmusson’s work is shown here. Henrietta told us, “I really enjoyed the project on mapping, but I have enjoyed every project we have done!” In the first table, Henrietta shows that when the gift giving pattern (named e, A, B, C, D, or E) is followed by another gift exchange (again either e, A, B, C, D, or E) there is not a clear pattern to the overall gift givers and recipients. Henrietta took her table a step further to examine the number of presents that ended in the hands of the sender, making the unique discovery that the relationships in the table become symmetric!
AMC-8 Contest Results

On Monday, November 18th our students in GMP 1 and 2 (and upper level students in the age group) took the 2020 AMC-8 (American Mathematics Competitions) contest. Students who tried the contest can find their scores in UB Learns. The contest score distribution and honors can be found here: https://amc-reg.maa.org/reports/generalreports.aspx.

School Winner:

1st Place – Ming Yang (GMP IV)

2nd Place – Soumyadeep Bhattacharjee (GMP III) and Rachel Shen (GMP II)

GMP II:

1st Place – Rachel Shen

2nd Place – Ahmet Demirbas and Jackson Liao-Cheng

GMP I:

1st Place – Timothy Yap

2nd Place – Nessa Grol-Norris and Natalie Ko

Congratulations to all of our participants!

Nominations to Join GMP

Spread the word! If you know of a child who is in 6th grade and may want to participate in GMP, nomination information can be found on our website. Nominations can come from parents or from school personnel and are due January 19th. Parent information meetings (via Zoom) are planned for January 30th and February 6th. Admissions tests will be administered online this round on February 27th, 28th, and March 6th and 7th. We also welcome nominations of students currently in 8th grade who are interested in starting GMP in 9th grade.
Summer Camps

As we move away from 2020 and toward better days, why not think about summer and plans for fun learning? Check out the websites listed below for more information on math camps offered during the summer. Some are planning for online programs in 2021 and others are hoping to be in-person.

- http://mathcamp.org
- http://awesomemath.org/summer-program
- https://beaverworks.ll.mit.edu/CMS/bw/bwsi
- http://www.promys.org
- http://www.mathily.org
- https://www.mathpath.org/
- https://euclidlab.org/programs/camp-euclid

These and other programs are linked on our website: http://giftedmath.buffalo.edu/current/math-camps.php. The American Mathematical Society has a website with opportunities of all kinds. On the left, you can filter by math camps and pre-college students: http://www.ams.org/opportunities.

Contact us if you have been to other camps or programs that you would like to share.

Calendar Mentions

- No class will be held on Monday, January 18th, Monday, February 15th, and Wednesday, February 17th.
- The AMC 10/12 Contest for GMP III-VI students will be offered on Thursday, February 4th at 7 p.m. via Zoom for students who have signed up.
- A GMP IV family meeting will be held on March 13th at 10 a.m via Zoom. The Zoom link will be emailed and shared in UB Learns closer to the date. The purpose of this meeting is to discuss expectations and answer questions about the transition to GMP V and the college level math classes.