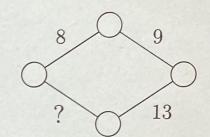
Math Kangaroo

- What is it?
- How was Lincoln involved?
- What is the test like?
- How did the students/parents respond?



3 points

4. Pranav wants to write a number at each vertex and on each edge of the rhombus shown. He wants the sum of the numbers at the two vertices at the ends of each edge to be equal to the number written on the edge. What number will he write instead of the question mark?



5 points

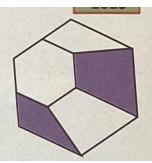
28. A regular hexagon is divided into four quadrilaterals and one smaller regular hexagon. The area of the shaded region and the area of the small hexagon are in the ratio $\frac{4}{3}$. What is the ratio $\frac{\text{area small hexagon}}{\text{area him}}$?

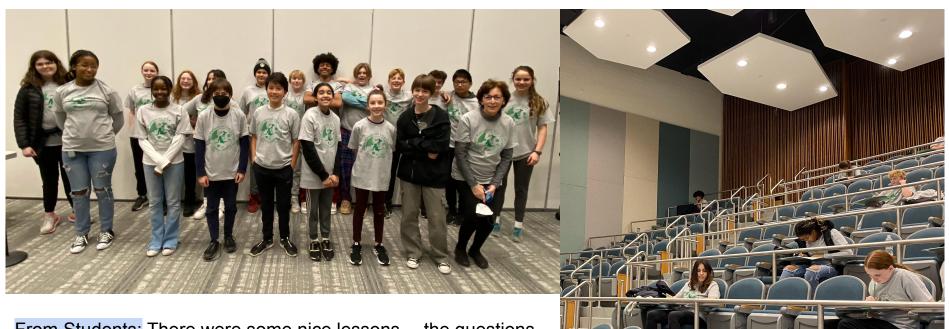
$$(\mathbf{B})\ \frac{1}{3}$$

$$(\mathbf{C}) \frac{2}{3}$$

$$(\mathbf{D}) \frac{3}{4}$$

$$(\mathbf{E}) \frac{3}{5}$$





From Students: There were some nice lessons... the questions really made you think... they were more like puzzles ... you have to sometimes go way back to what you learned a long time ago, so it refreshes your memory...

From Parents: Very impressed... my student was really engaged From Coaches: So pleased that students from a range of achievement levels participated and stuck with it to the end!