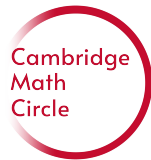


Math Quidditch: Flying around with Math

Nataliya Yufa
Cambridge Math Circle
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Summary

- "Math quidditch" - students "fly" from their groups as they solve problems to the judge(s) and back.
- The scoring system for problems encourages deep thinking rather than rushing.
- Running/walking to and from the judge(s) adds an element of excitement.



Movement + Interesting Problems + Inspiring Interactions + Friendly Competition = Deep learning

Why Math Quidditch?

- Movement
- Friendly competition
- Students explaining their thinking to peers and judges
- A good way to review
- Can have a variety of problems
- Immediate feedback from a judge
- Learning experience for judges, too



How does math quidditch work?

- One lesson (**works well at the end of a unit of study**)
- Students work in **teams (individual contests are possible)**
- A single judge or a group of **judges are physically separated from the competitors**
- Students get problem sheets that act as **spiral review, a practice competition, or both**
- When competing in an enrichment class, can **provide small prizes** that encourage more math exploration outside of class
- Extra learning - **students write their own questions** for the review quidditch, instructor selects the best ones



How does it work? The details

- Problems are worth **different amounts of points** based on difficulty;
- Students **work in small groups**, dividing the work as they see fit;
- They **must take turns presenting**, so everyone participates;
- Getting the solution right on the **first try earns maximum points**, and a point less for the second try, and 2 points less for the third try;
- **Problem sheets of different difficulty** are available;
- **Problems do not need to be presented in order**, so students get to practice time management skills.

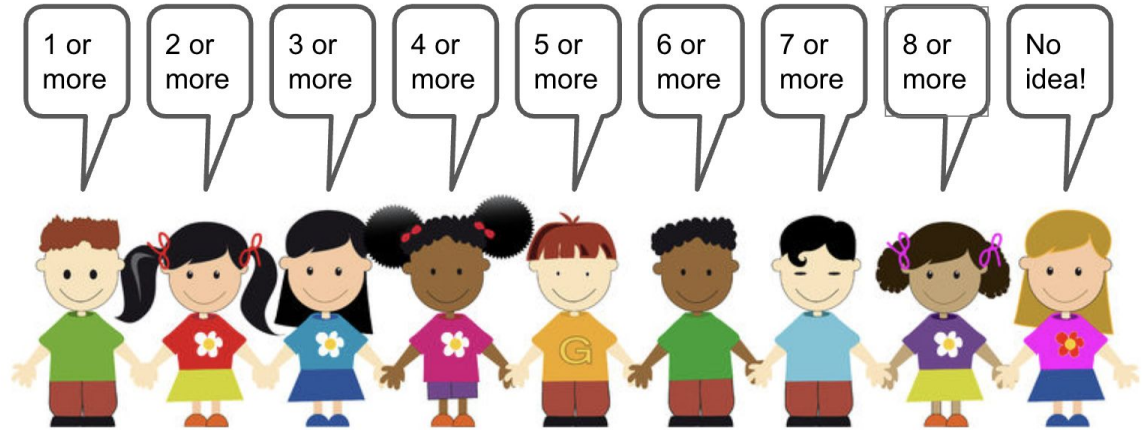


Let's try it!

This group of kids was asked a question:

“How many of you are liars?”

- With a neighbor, try to solve this problem
- Once you have a solution, report it to a judge!
- Judges will ask probing questions to check for understanding.



Which of them are actually liars (if any)?

Thank you!



Questions?

Email [nataliya@
cambridgemathcircle.org](mailto:nataliya@cambridgemathcircle.org)

and/or sign up for a
buddy program to
ask/answer questions
from fellow math
educators:

[https://forms.gle/n9rRrdd
CoYNbS2CUA](https://forms.gle/n9rRrdd
CoYNbS2CUA)

