

Geoboards: Not Just Play Toys but Learning Tools



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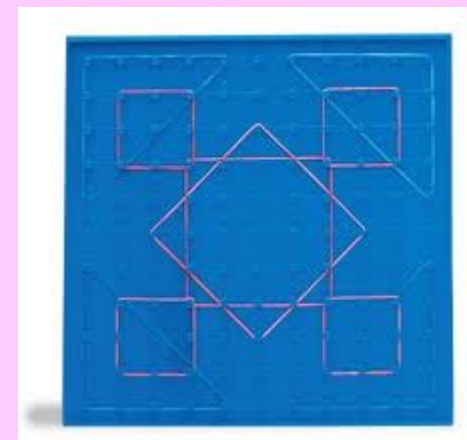
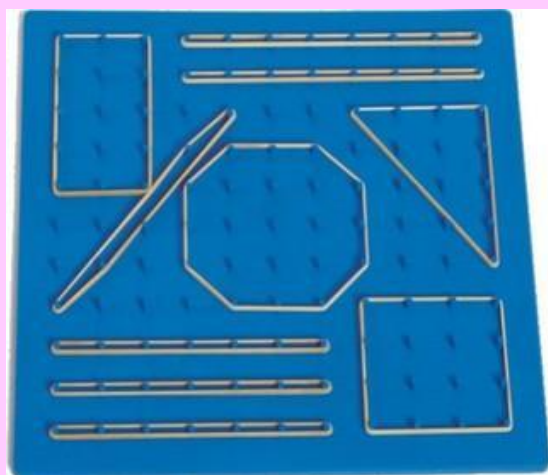
This session will provide participants with ideas and information on using geoboards to teach PA Common Core Math Standards Grades 3-5: lines, angles, shapes (polygons, etc.), area, perimeter, transformation, congruent, symmetry, multiplication, division, addition, subtraction, and fractions. Upon completion of this session you will have the basic knowledge of how to use the geoboards for fun activities while engaging your student(s) and child in mathematical skills. This session will include hands-on activities to enhance your understanding of the geoboards and the proper methods of geoboard manipulation in the classroom or home, therefore allowing you to easily transfer these techniques to your student(s) or child.

Everyone will receive a geoboard and packet.

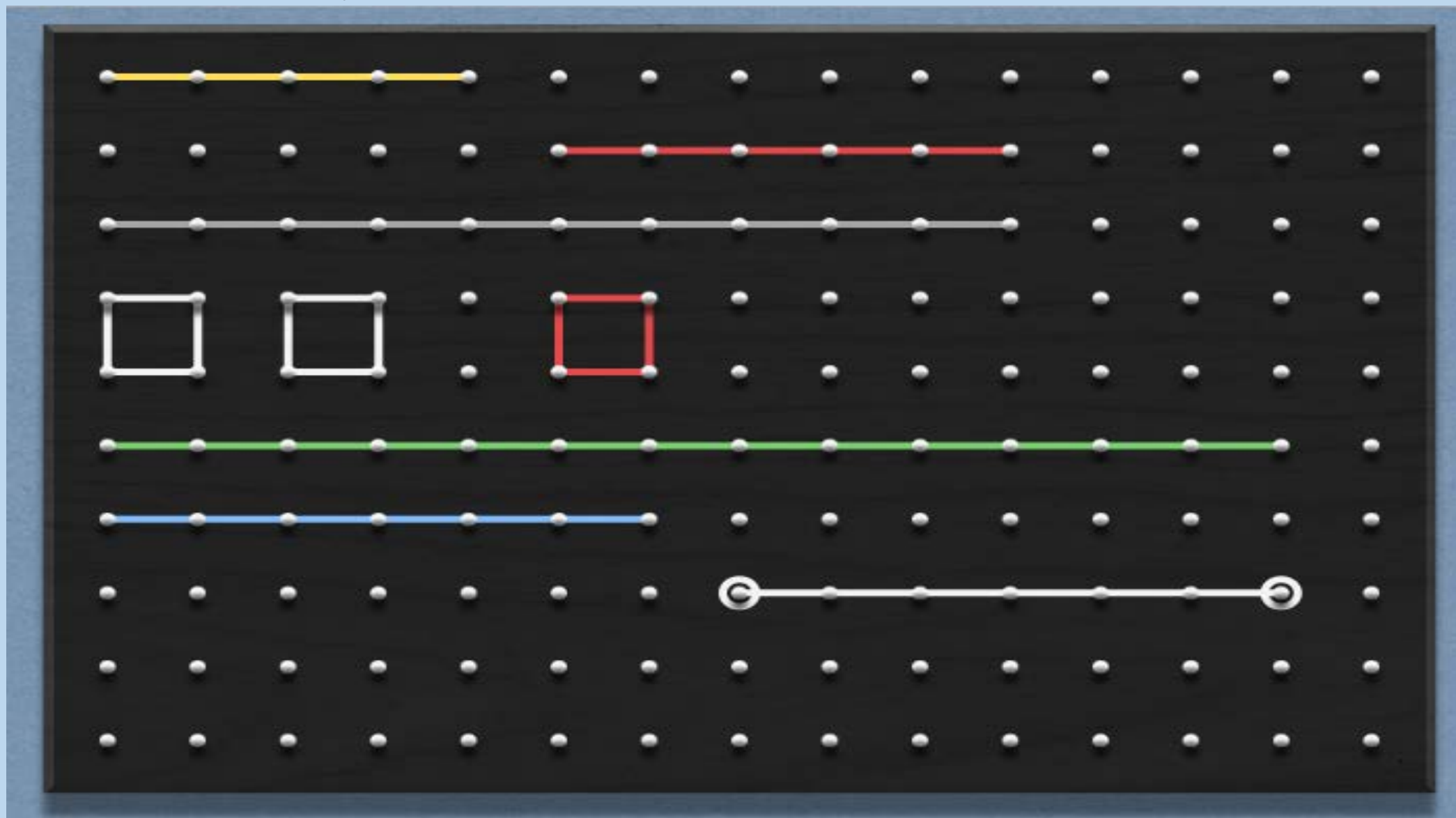
Please take a few minutes to play with your geoboard.

Yes, I said play and explore,

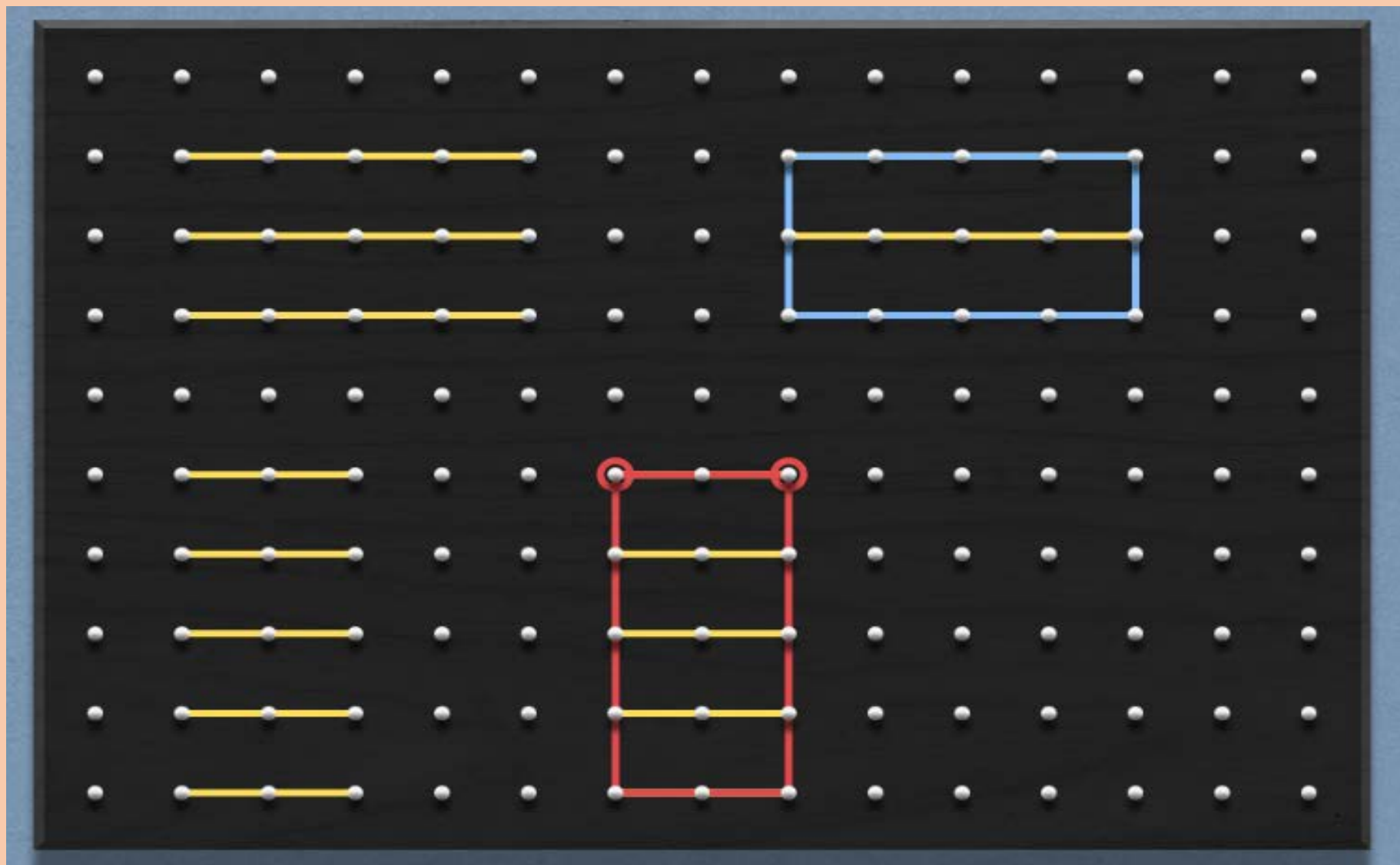
this is an essential part of the learning process.



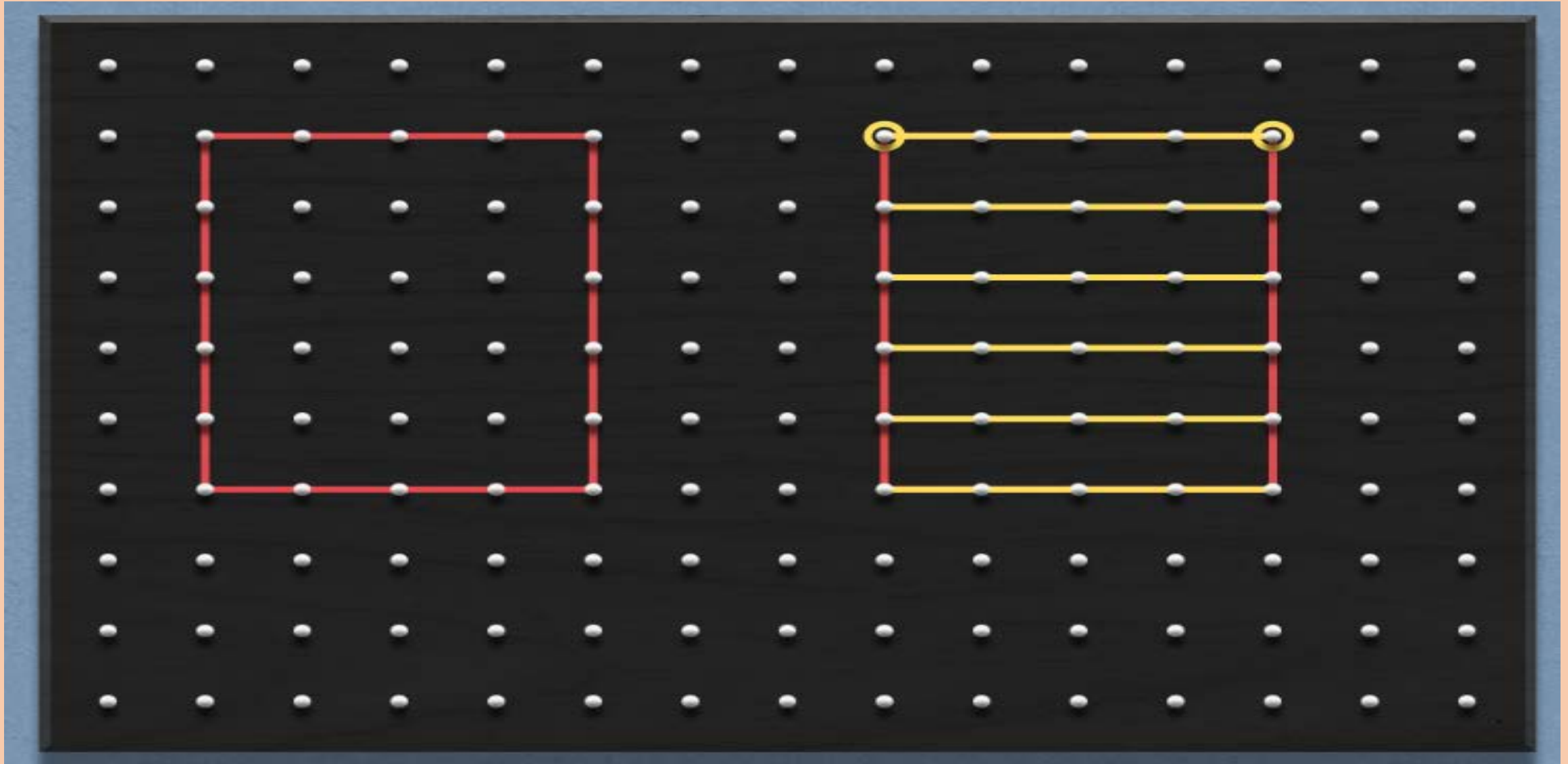
Let's explore addition and subtraction:



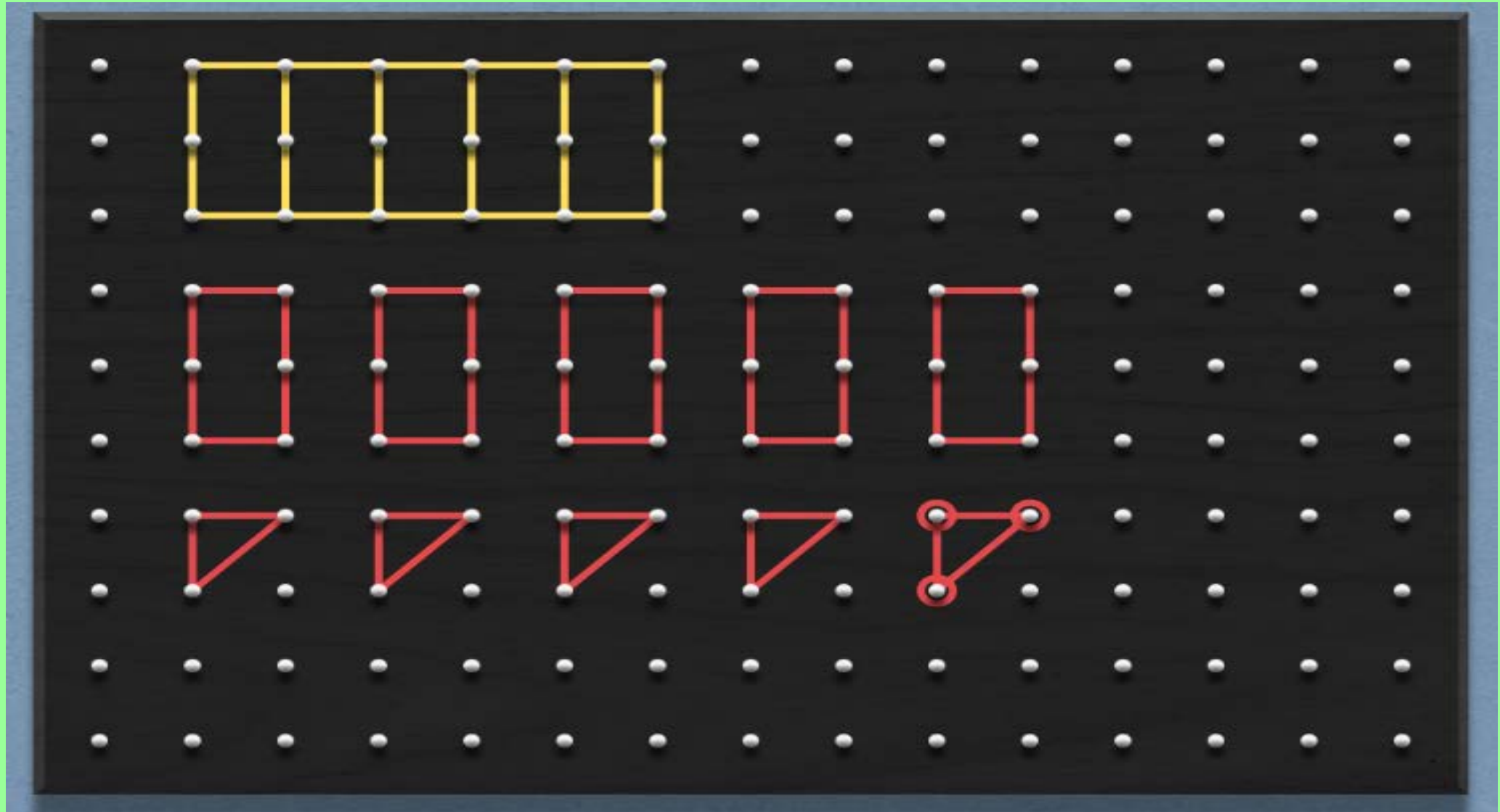
Let's explore multiplication



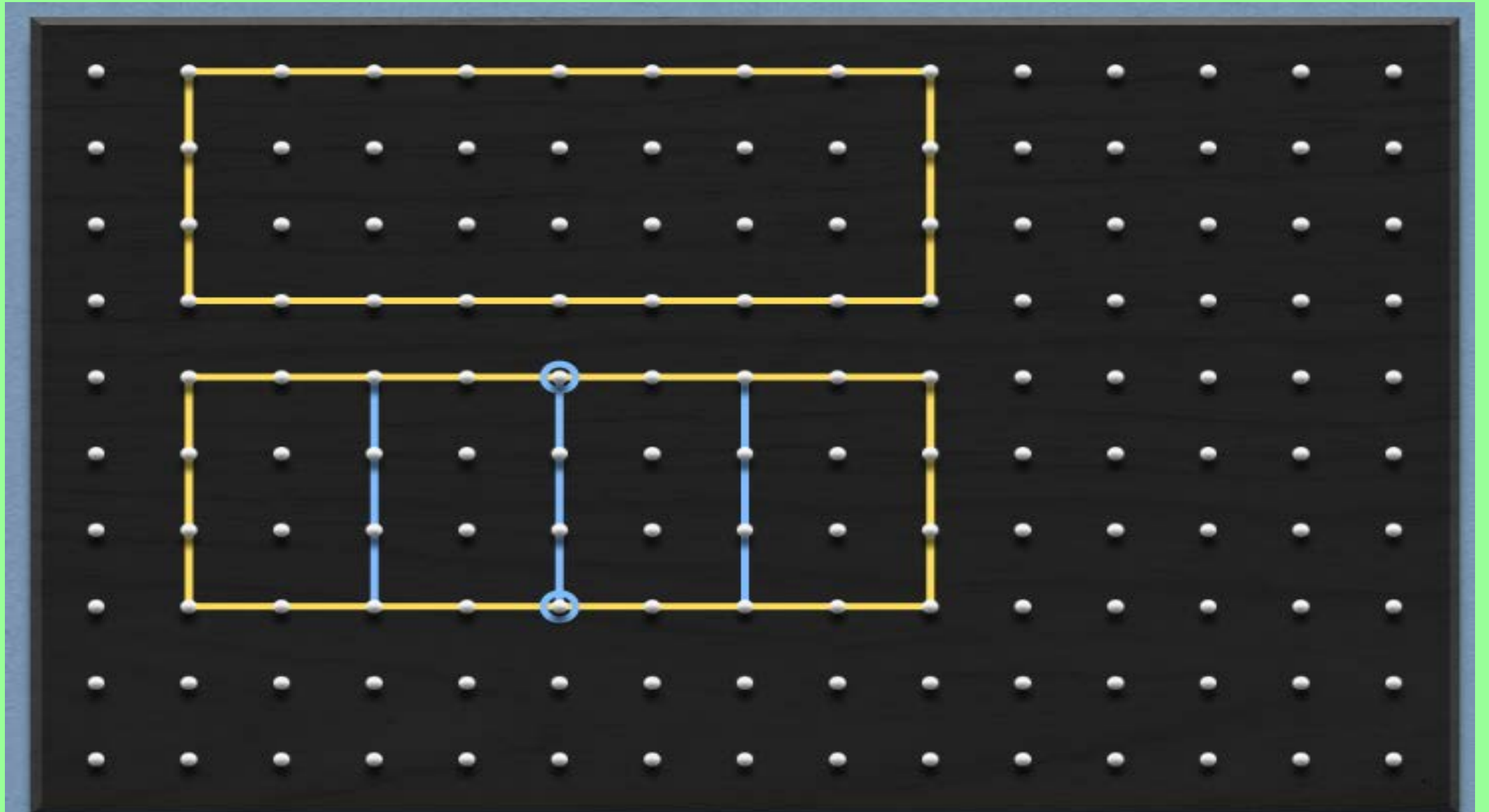
Let's Explore: Division



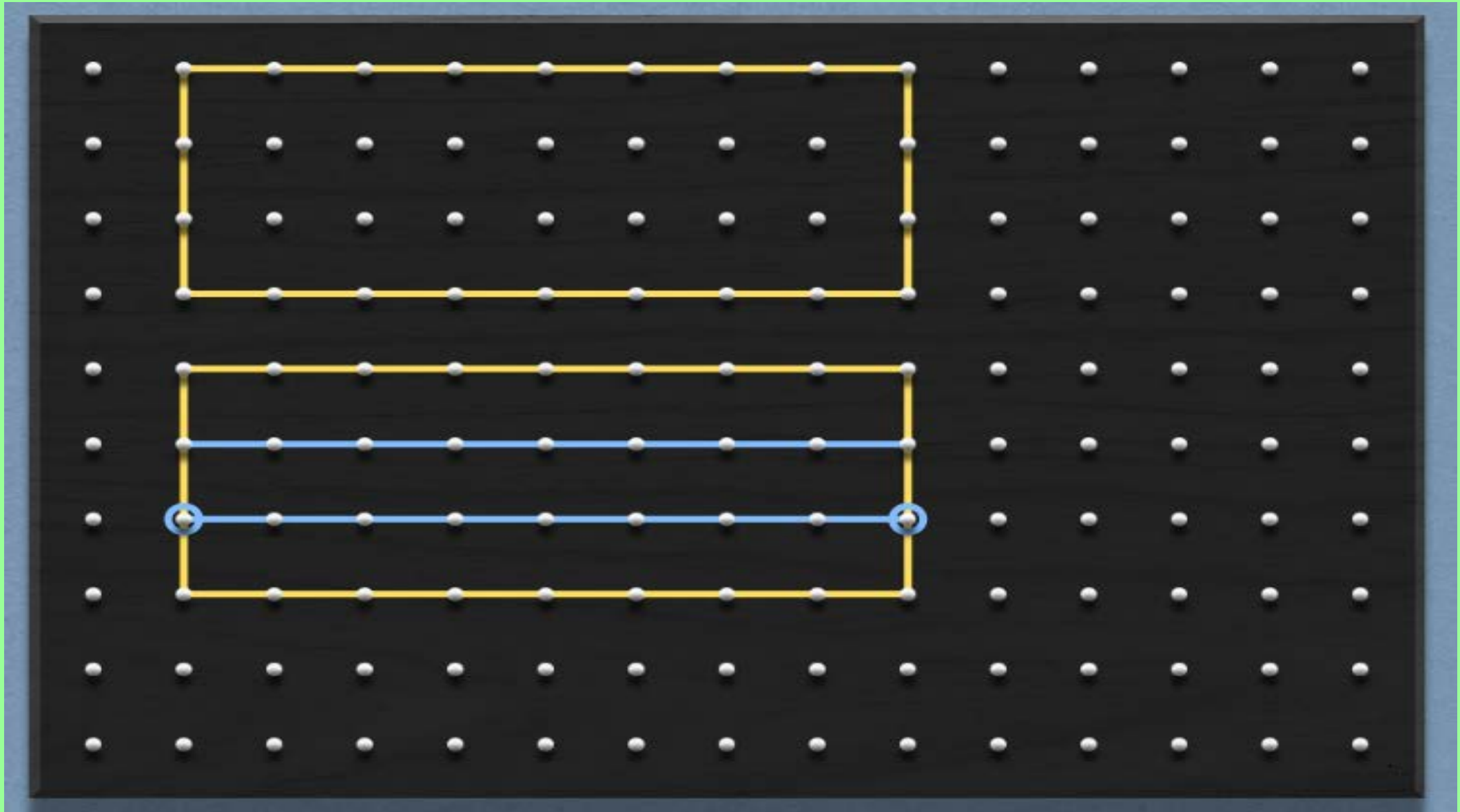
Let's Explore: Fractions



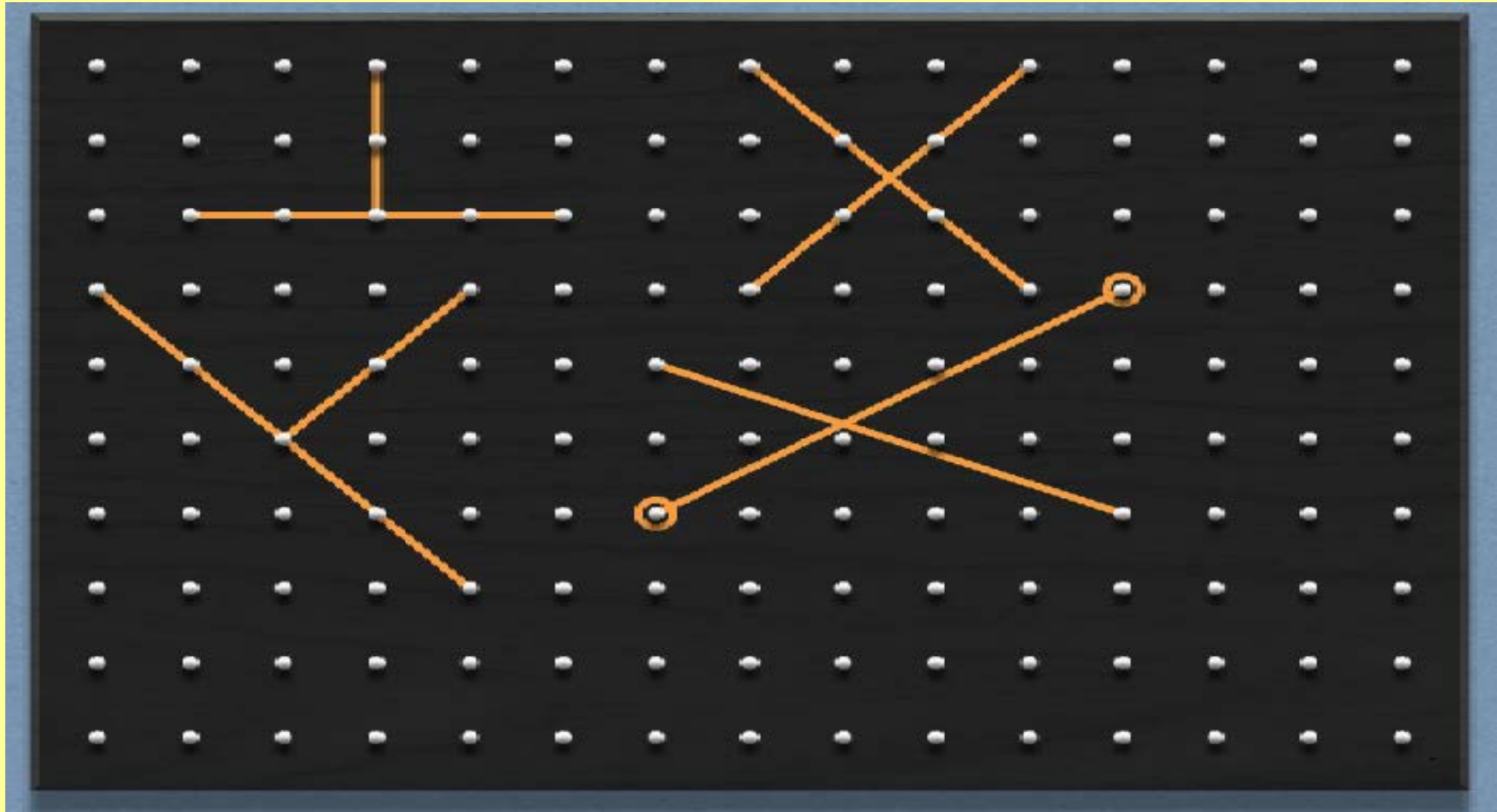
Let's Explore: Fractions



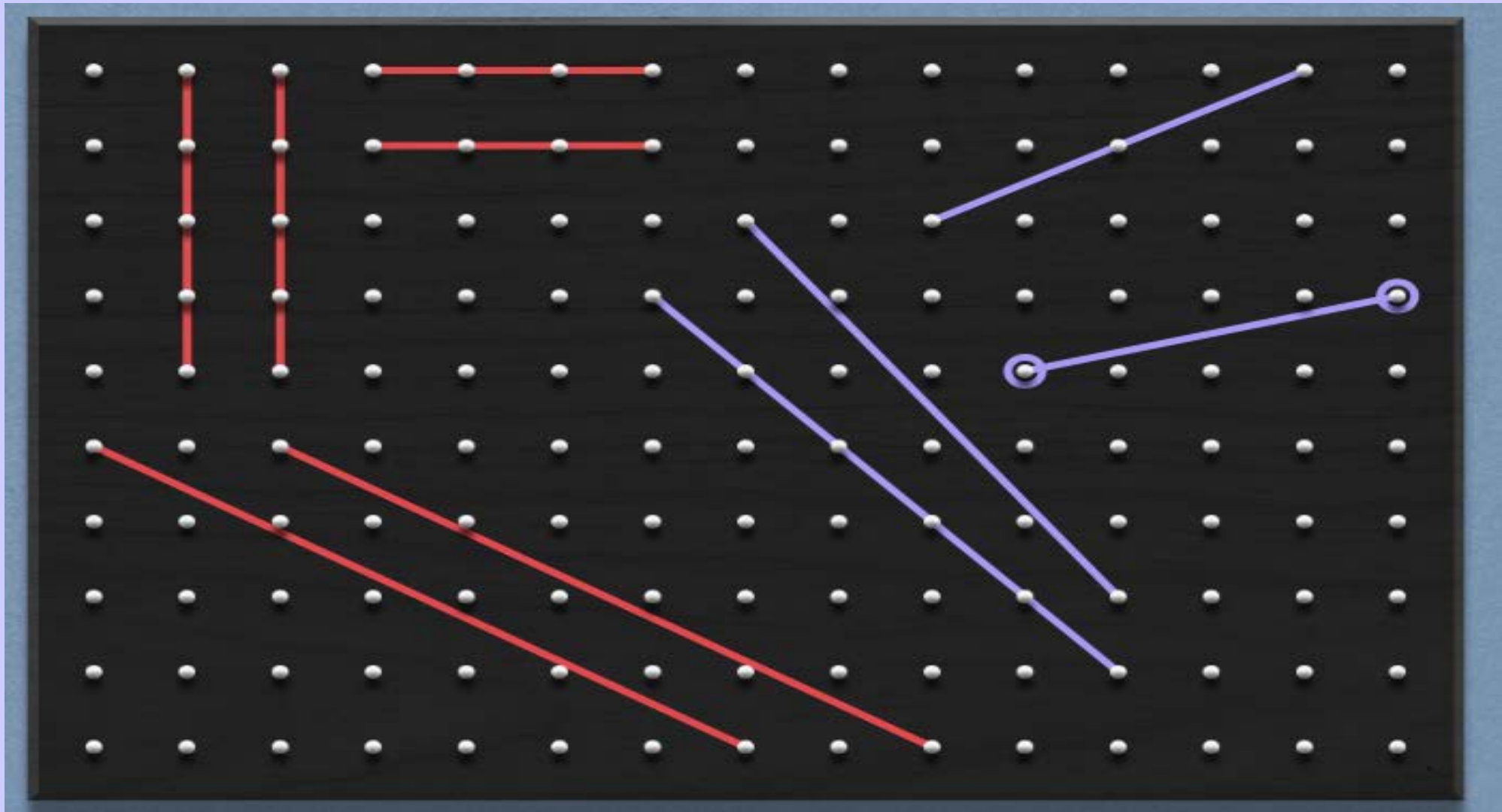
Let's Explore: Fractions



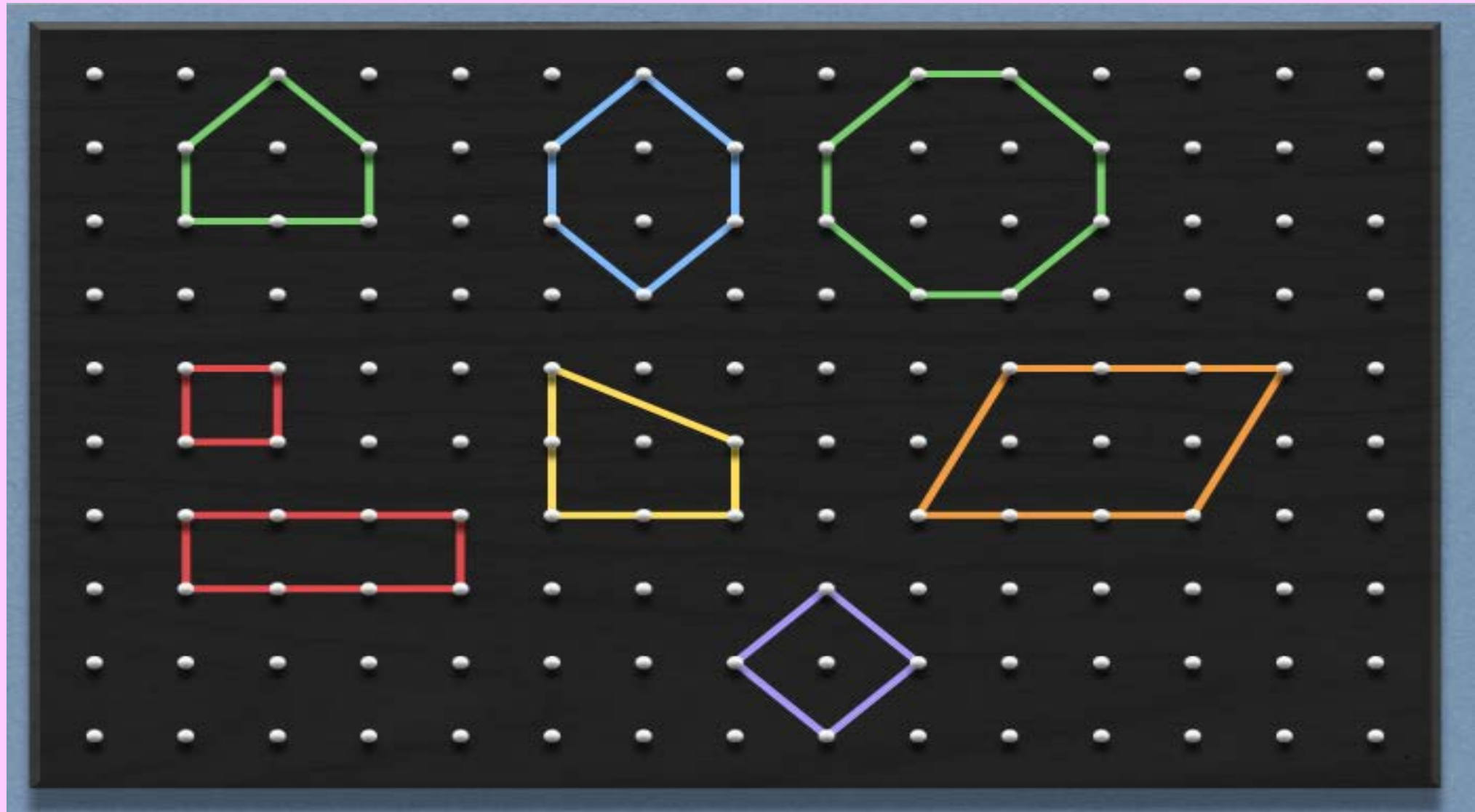
Let's explore lines: Perpendicular and Intersections



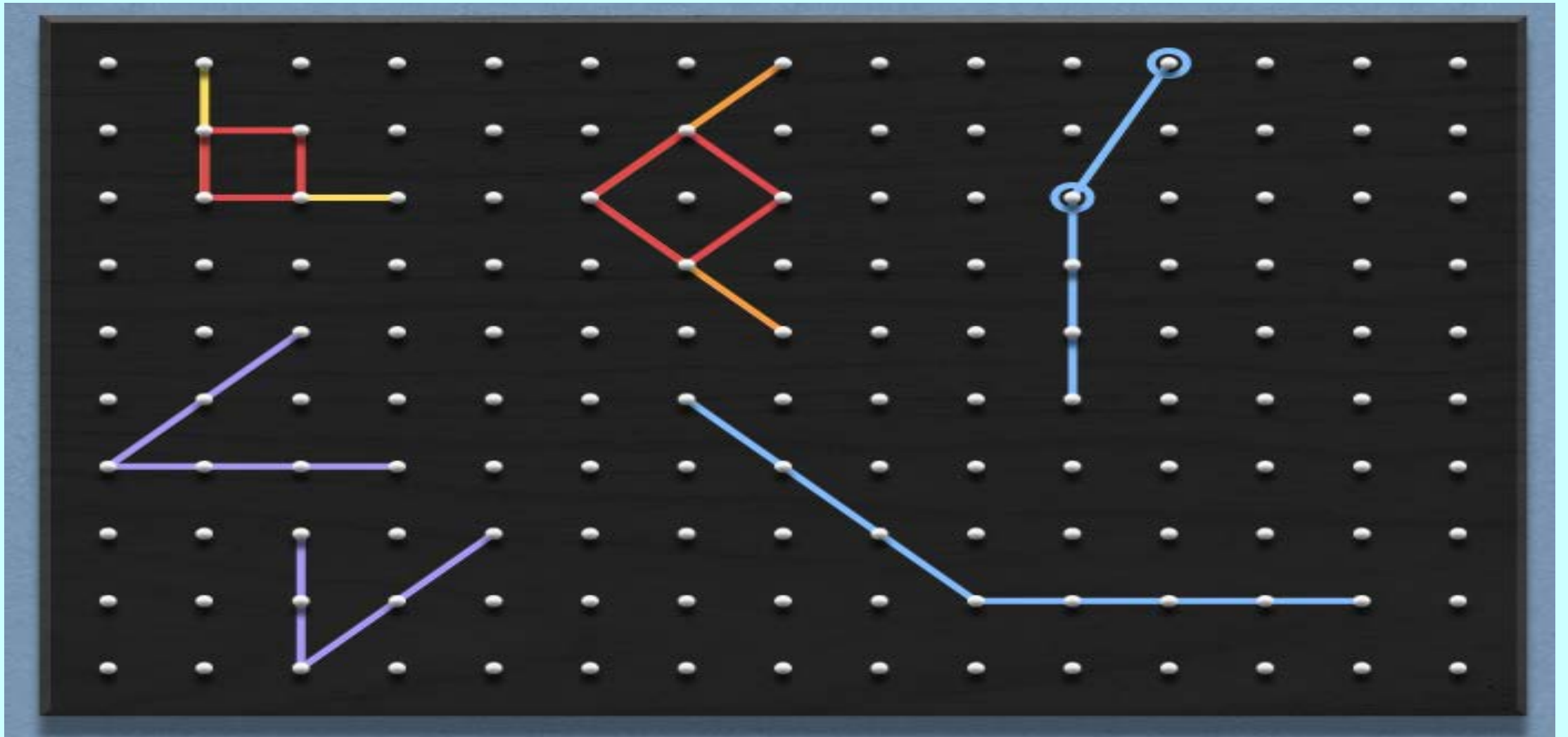
Let's explore more lines: Parallel or Not Parallel



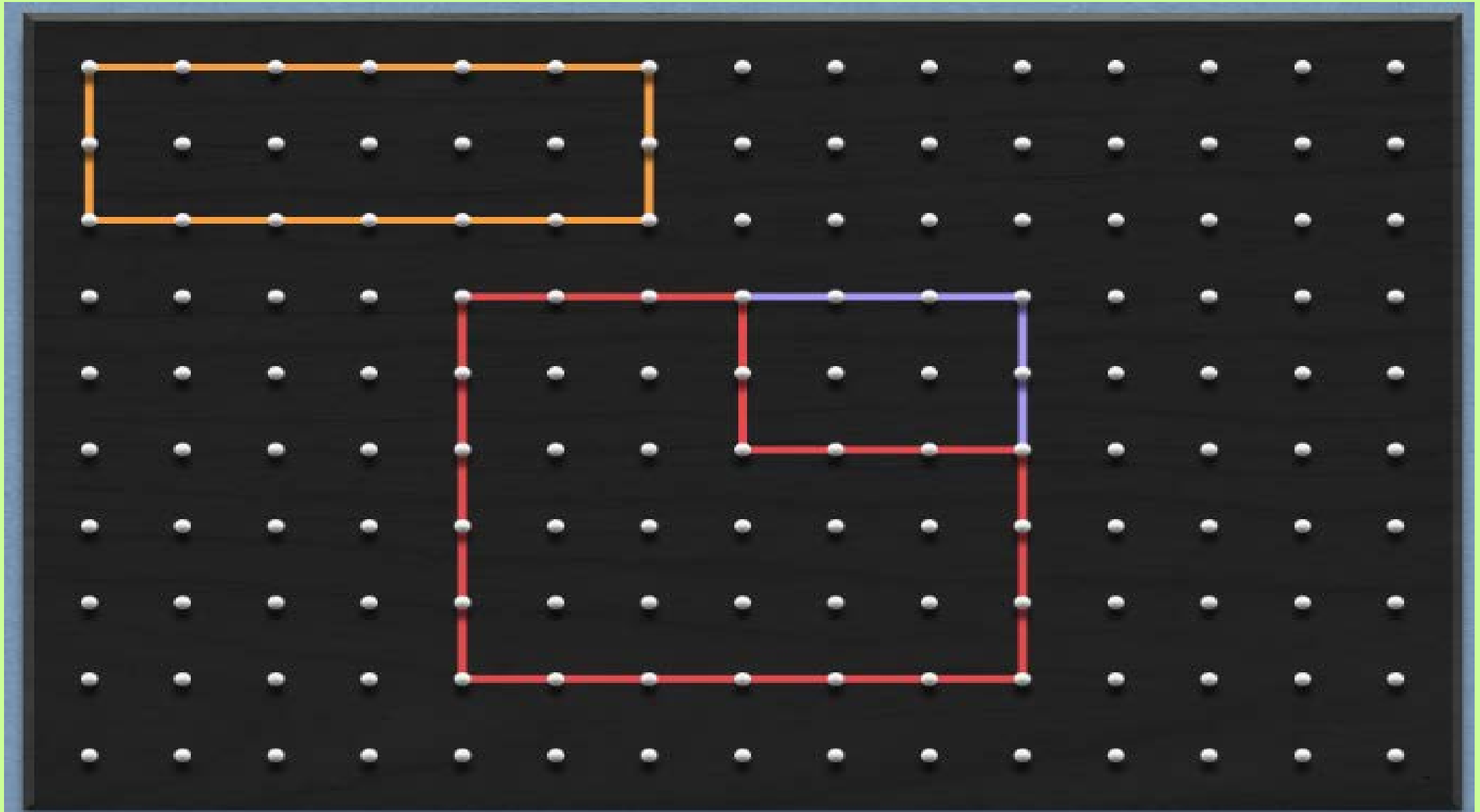
Let's Explore: Polygons and Quadrilaterals



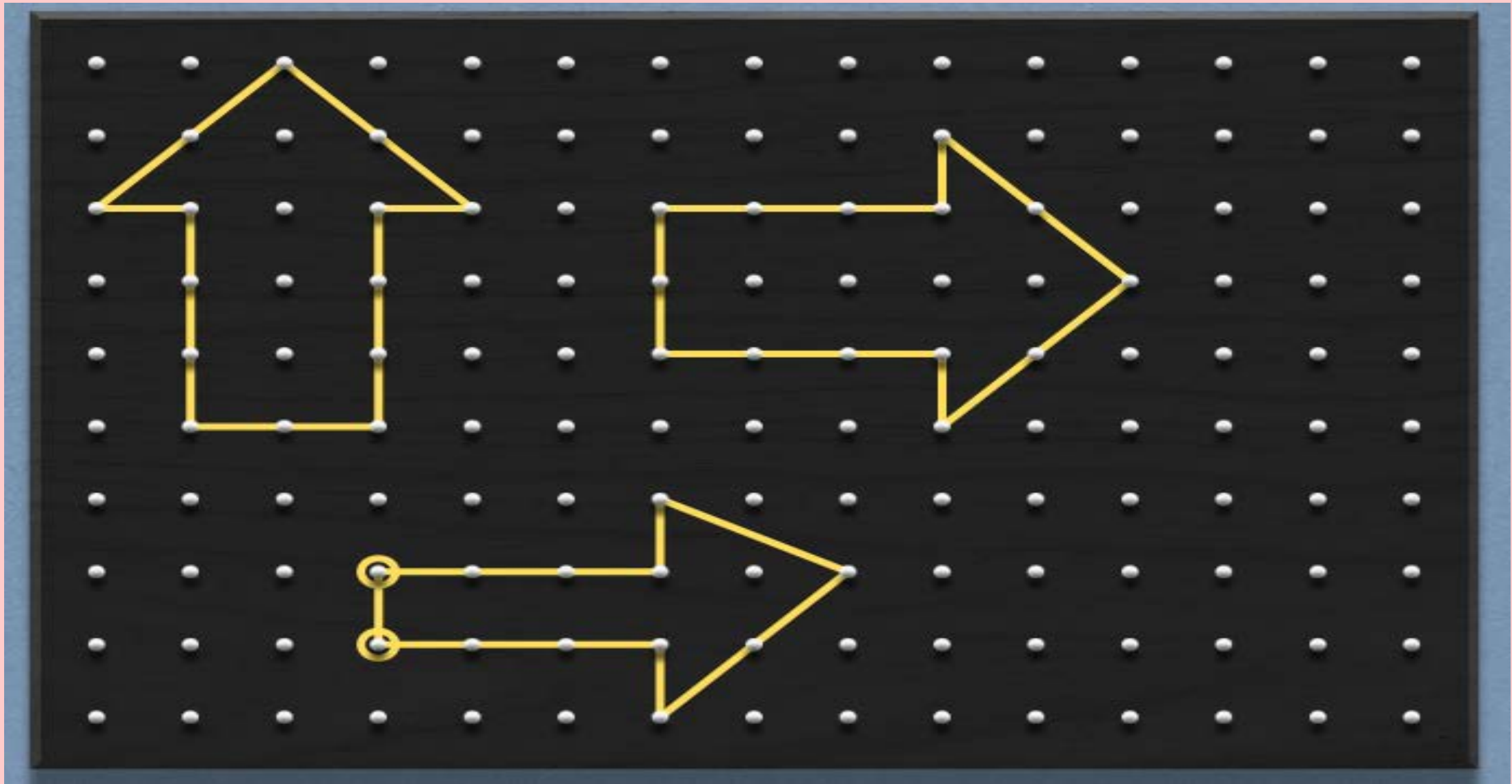
Let's explore: Angles- Acute, Right and Obtuse



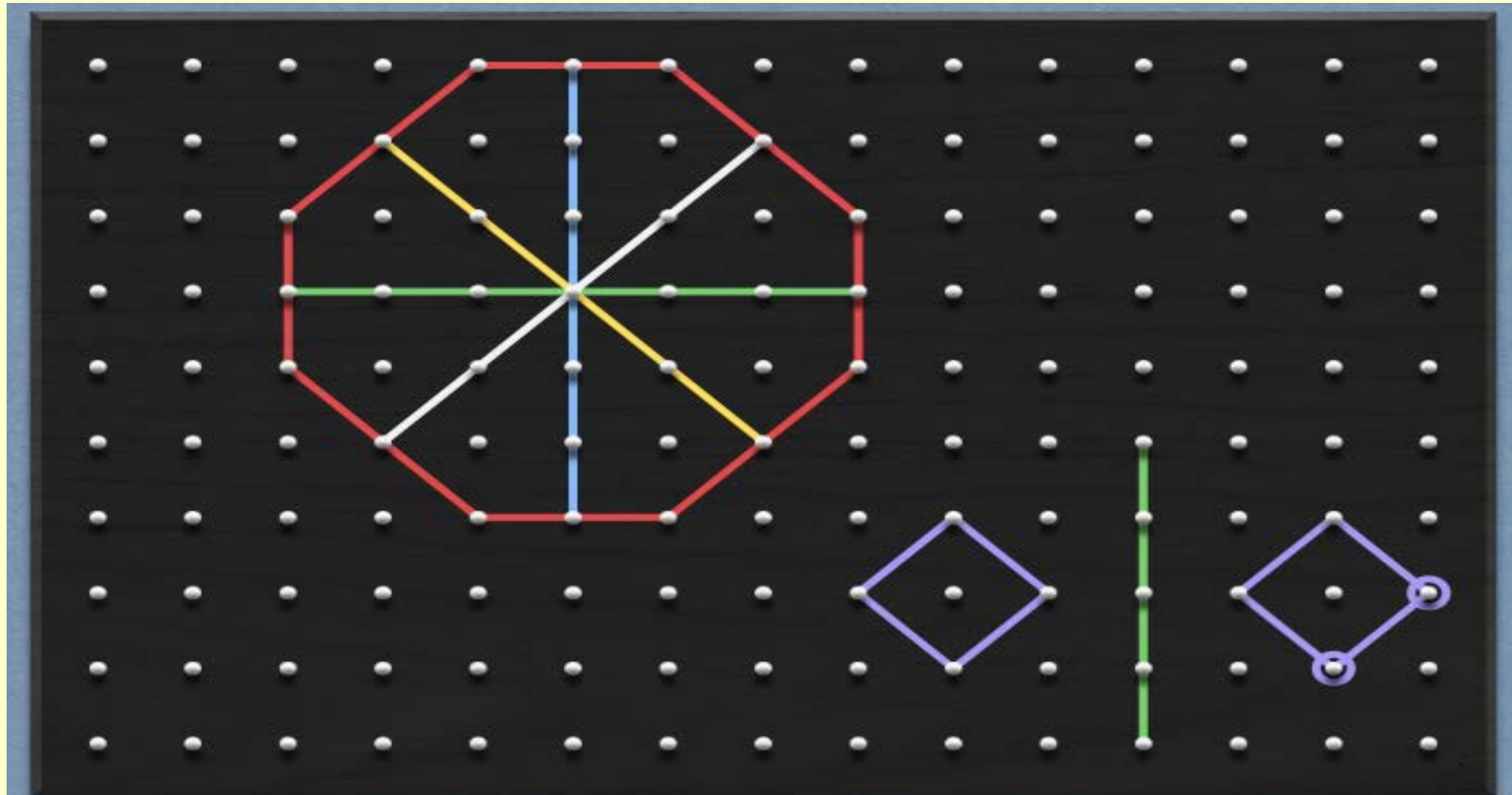
Let's explore area and perimeter:



Let's Explore: Transformation and Congruent:



Let's explore: Lines of Symmetry



Questions or Comments?

Thank You!

<http://www.mathlearningcenter.org/web-apps/geoboard/>

Contact me at sbakner@frsd.info