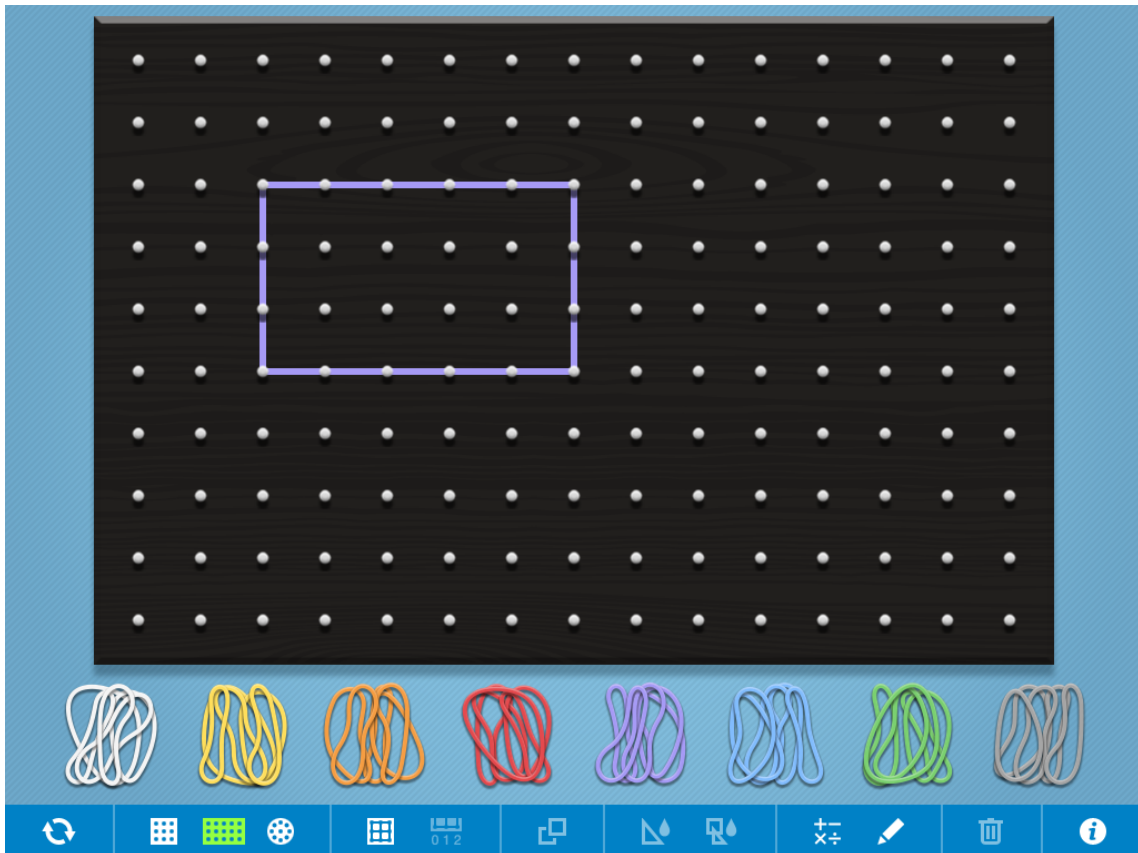


Optimization with Geoboards!

On the iPads: Find the Geoboards app.

Explore with the virtual elastic bands. Let's say the distance between two dots is 1 cm.

How would we find the perimeter of this rectangle? The area?



Useful Features

Select the middle image to use a larger board.



Use these buttons to add a grid with a scale.



Use this tool to draw on the board to explain what you did.



The Challenge:

1. Find the rectangle with a perimeter of 20 cm that has the largest area.
2. Find the rectangle with an area of 16 cm^2 that has the smallest perimeter.

Explain your findings on the board using the draw tool.

When you're done, press both iPad buttons at the same time to take a screenshot and post your pictures on Google Classroom.