

Geoboards & Pick's Theorem

Can you calculate the area of this rectangle by counting the squares, or otherwise?







But it's much harder to find the area of unusual shapes, like this one:



I wonder if there is an easier way to find the area of more complex shapes?

When you make a shape on a geoboard, the points inside the shape are called **interior points**.



The points that the lines pass through are called **boundary points**.



A mathematician called Georg Alexander Pick discovered something special about shapes on geoboards...



Now try some yourself!







Now draw your own shape, and calculate the area!

