

Building and Using a Geoboard! Part 2

Task 1 Triangles

Create different triangles on your geoboard.

How many different triangles can you make?

Give each triangle its proper name. E.g.: isosceles, scalene, right-angled triangle, equilateral triangle, etc.

Task 2 Sorting Triangles

Create different triangles on your geoboard.

Divide them into two groups according to a criterion.

In how many ways can you sort your triangles?

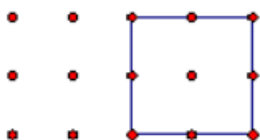
Give the criteria of how triangles are sorted.

Measuring sides/perimeter and area on a geoboard



A side is measured by units. The distance from one pin to another (vertically or horizontally) is 1 unit.

The square above has sides of 1 unit each and therefore the area is $1 \times 1 = 1$ square unit.



This square has sides on 2 units each and therefore the area is $2 \times 2 = 4$ square units.

Task 3 Order your Triangles

Create 5 different triangles.

Find the area of the triangle you have made.

Put your triangles in order of area.

If you think there any two are the same, try to create another triangle with a larger or smaller area.