

GEOBOARD AREA

PROCEDURE

Make the following triangle on your geoboard.

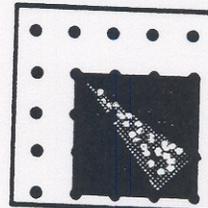
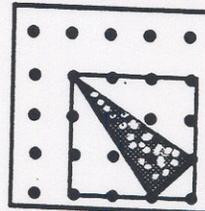
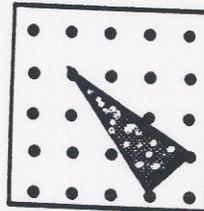
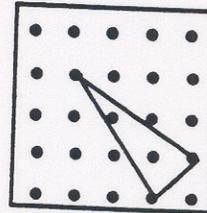
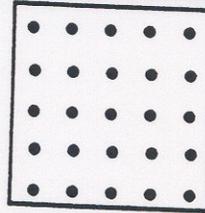
Make triangle ABC with A(1,3), B(4,1), and C(3,0).

Find the number of square units in the area of the triangle.

HINT: Make a quadrilateral with points A, B, and C on the perimeter.

HINT: The area of the triangle is the area of the quadrilateral minus the areas of the three surrounding right triangles.

VISUAL DISPLAYS



Questions:

What is the name of the newly formed figure?

What is the area of the newly formed figure?

What is the area of the triangle?

What is the coordinate of point D?