

**ACTIVITY 2**      Area on the Geoboard

Materials:

Blackline Master:      *Area 2*, 1 per student

Transparency:      *Area 2*

Geoboards and rubber bands, 1 per student

Color tiles

Pencils

1. Introduce the concept of area on the geoboard.  
Make a 1-by-1 square on the overhead geoboard to introduce 1 square unit.

Say: Copy my square on your geoboard.  
Put a color tile inside your square.  
What is the area of 1 color tile?  
If 1 color tile has an area of 1 square unit, then what is the area of this square?

Find **A** on your worksheet.  
Draw a picture of the square you made on your geoboard.  
Record the area of the square.  
Area = 1 square unit

2. Say: Find **B** on your worksheet.  
What is the length?  
What is the width?  
Make a figure this size on your geoboard.

Put color tiles inside the square to find its area.  
What is the area of 1 color tile?  
If 1 color tile has an area of 1 square unit, then what is the area of this square?

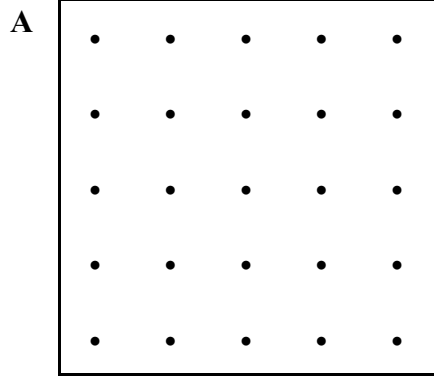
Draw a picture of the square you made on your geoboard.  
Record the area of the square.  
Area = 16 square units

3. Repeat this process with **C**.  
Area = 6 square units

4. Practice: *Area 2*, 1 - 6

Instruct students to use the geoboard to find the area of each figure before recording the information.

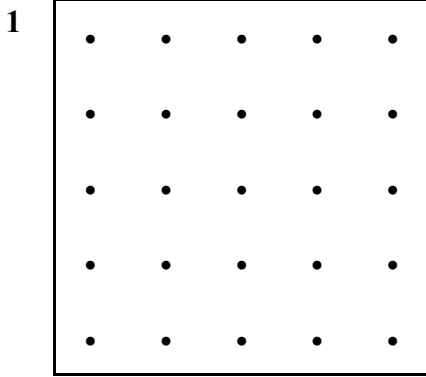
- |          |                 |          |                |
|----------|-----------------|----------|----------------|
| <b>1</b> | 12 square units | <b>4</b> | 8 square units |
| <b>2</b> | 2 square units  | <b>5</b> | 9 square units |
| <b>3</b> | 4 square units  | <b>6</b> | 3 square units |



Length = 1 unit

Width = 1 unit

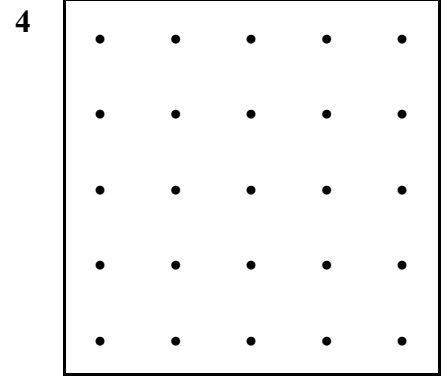
Area = \_\_\_\_\_ square unit



Length = 4 units

Width = 3 units

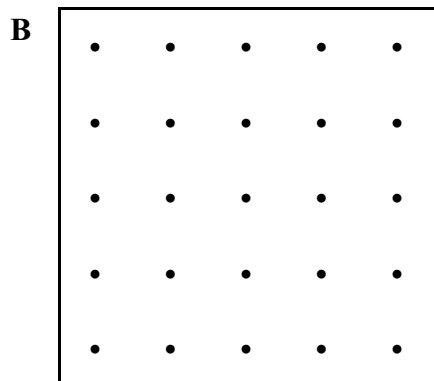
Area = \_\_\_\_\_ square units



Length = 2 units

Width = 4 units

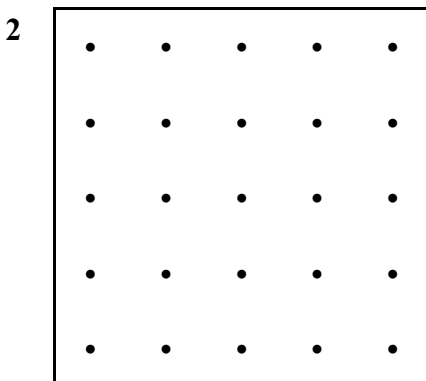
Area = \_\_\_\_\_ square units



Length = 4 units

Width = 4 units

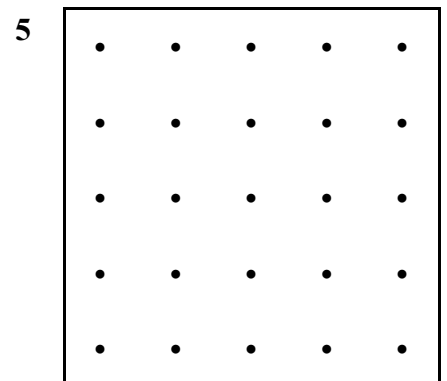
Area = \_\_\_\_\_ square units



Length = 1 unit

Width = 2 units

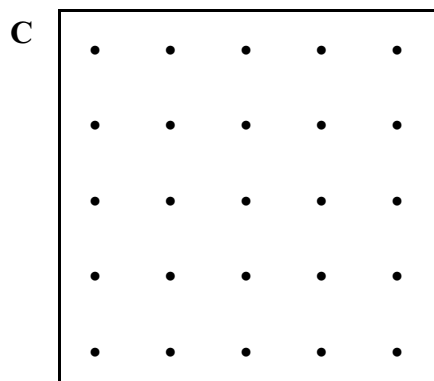
Area = \_\_\_\_\_ square units



Length = 3 units

Width = 3 units

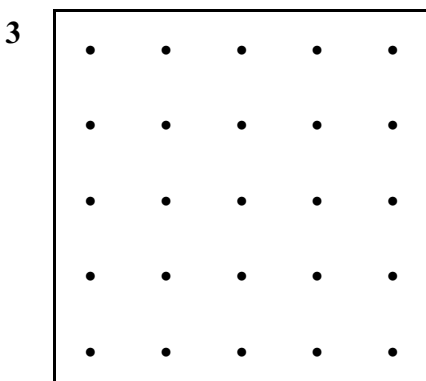
Area = \_\_\_\_\_ square units



Length = 3 units

Width = 2 units

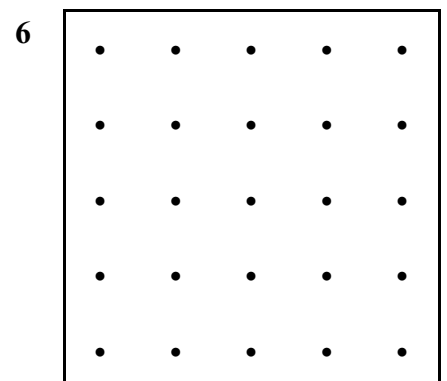
Area = \_\_\_\_\_ square units



Length = 2 units

Width = 2 units

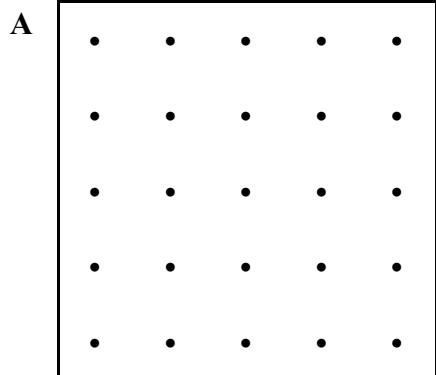
Area = \_\_\_\_\_ square units



Length = 1 unit

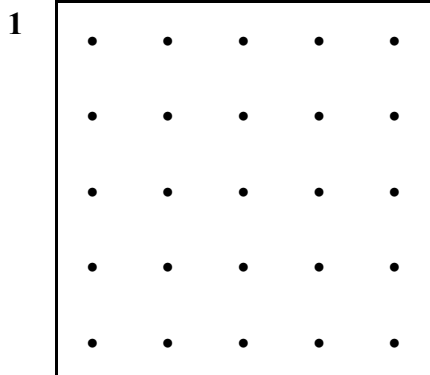
Width = 3 units

Area = \_\_\_\_\_ square units



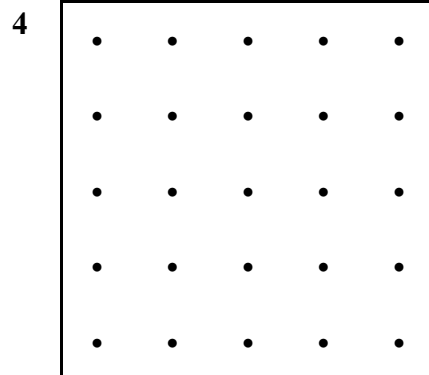
Largo = 1 unidad  
Ancho = 1 unidad

Área = \_\_\_\_\_ unidad cuadrada



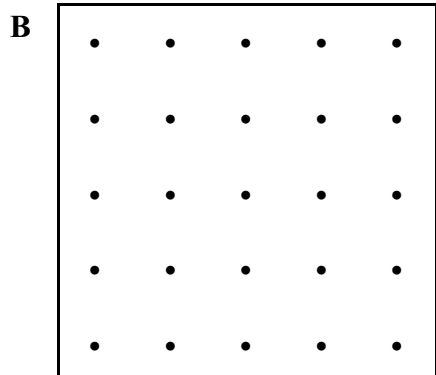
Largo = 4 unidades  
Ancho = 3 unidades

Área = \_\_\_\_\_ unidades cuadradas



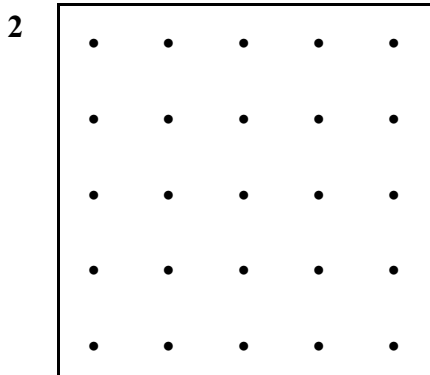
Largo = 2 unidades  
Ancho = 4 unidades

Área = \_\_\_\_\_ unidades cuadradas



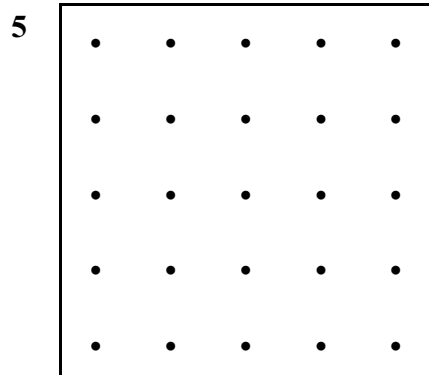
Largo = 4 unidades  
Ancho = 4 unidades

Área = \_\_\_\_\_ unidades cuadradas



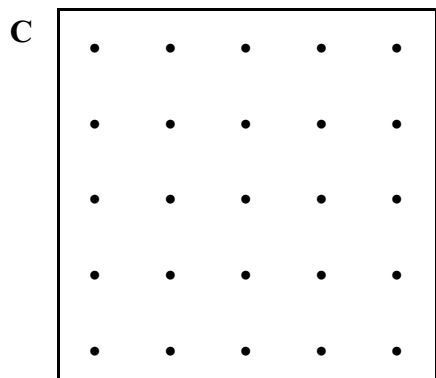
Largo = 1 unidad  
Ancho = 2 unidades

Área = \_\_\_\_\_ unidades cuadradas



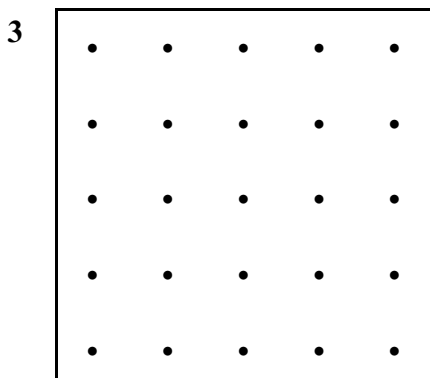
Largo = 3 unidades  
Ancho = 3 unidades

Área = \_\_\_\_\_ unidades cuadradas



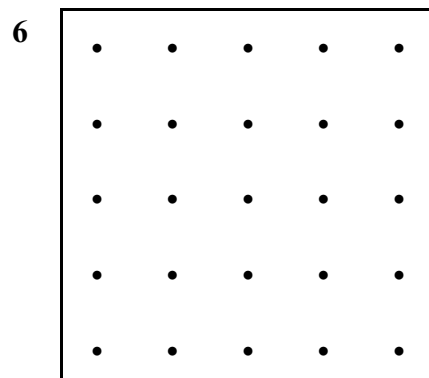
Largo = 3 unidades  
Ancho = 2 unidades

Área = \_\_\_\_\_ unidades cuadradas



Largo = 2 unidades  
Ancho = 2 unidades

Área = \_\_\_\_\_ unidades cuadradas



Largo = 1 unidad  
Ancho = 3 unidades

Área = \_\_\_\_\_ unidades cuadradas