

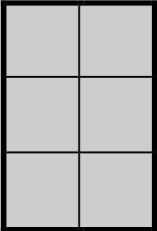
Name _____


Date _____

1. Find the area of each rectangular array. Label the side lengths of the matching area model, and write a multiplication equation for each area model.


Rectangular Arrays


Area Models

a.  _____ square units

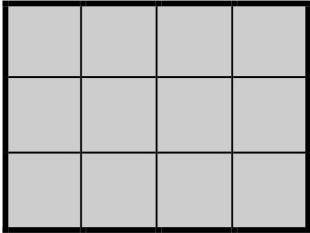



$3 \times \underline{\quad} = \underline{\quad}$

b.  _____ square units

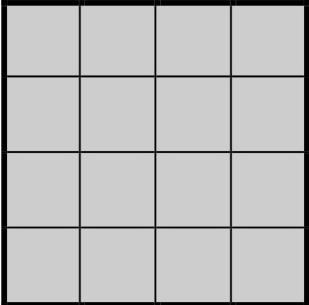


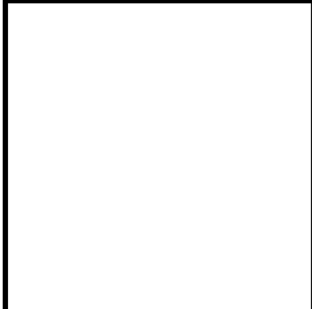
$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

c.  _____ square units



$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

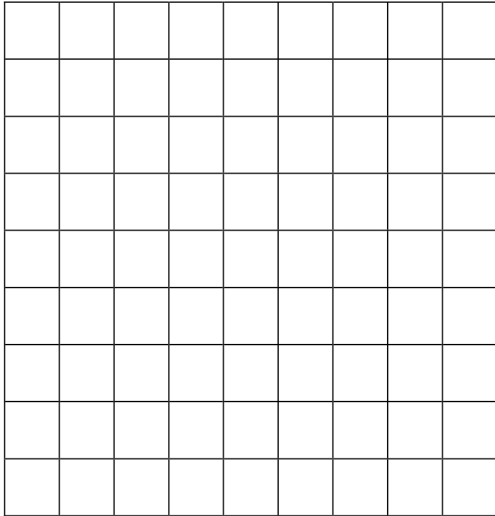
d.  _____ square units



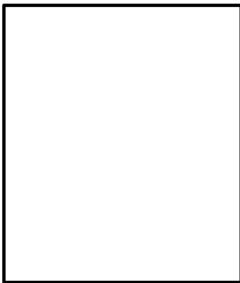
$\underline{\quad} \times \underline{\quad} = \underline{\quad}$

2. Jillian arranges square pattern blocks into a 7 by 4 array. Draw Jillian's array on the the grid below. How many square units are in Jillian's rectangular array?

a.



b. Label the side lengths of Jillian's array from Part (a) on the rectangle below. Then, write a multiplication sentence to represent the area of the rectangle.



3. Fiona draws a 24 square centimeter rectangle. Gregory draws a 24 square inch rectangle. Whose rectangle is larger in area? How do you know?

Answer Key

1.
 - a. 6; answer provided; $3 \times 2 = 6$
 - b. 10; side lengths labeled; $2 \times 5 = 10$
 - c. 12; side lengths labeled; $3 \times 4 = 12$
 - d. 16; side lengths labeled; $4 \times 4 = 16$
2.
 - a. 7 by 4 rectangle drawn on grid; 28 square units
 - b. Side lengths labeled; $7 \times 4 = 28$
3. Gregory, square inches are larger than square centimeters