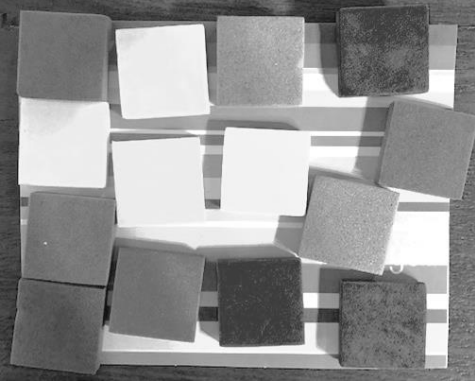
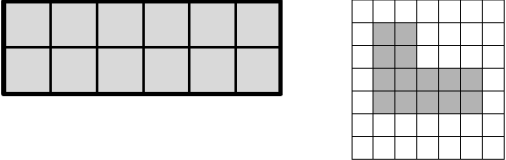
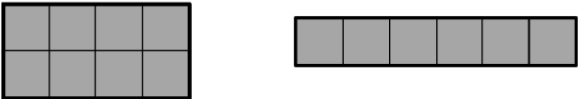


Understanding Area

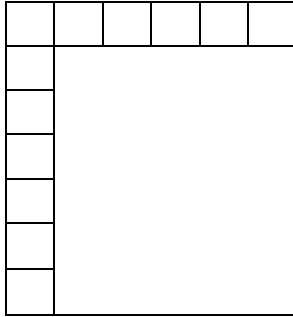
<p style="text-align: center;">Overarching Student Learning Goals</p> <p style="text-align: center;">In this unit, your child will work to build an understanding of the following:</p>	<p style="text-align: center;">Resources/Tasks to support your child at home.</p>
<p>Recognizing area as an attribute of plane shapes.</p> <p><i>Sara counted her color tiles and said the area of her card was 14 square units. Do you agree with Sara? Why or why not?</i></p> 	<ul style="list-style-type: none"> • Look for real-world examples of rectangular items with a flat surface, for example: a table top, rug, cabinet door or picture. Ask your child to use post-it notes to find the area. You can also ask them to explain how that area and the perimeter of the item are different. • CPALMS Student Tutorial: Techies Talk Are https://bit.ly/2LmkiEs (open using Chrome; video will not play using Internet Explorer) • Kahn Academy: Intro to Area and Unit Squares https://bit.ly/2mERiZH • LearnZillion: Cover the Area of Shapes Using Square Units https://bit.ly/2vOLAVX
<p>Determining area by counting the number of square units used to cover a shape.</p> <p><i>Count the square units to find the area of the figures below.</i></p>  <p><i>Do the rectangles below have the same area? Explain.</i></p> 	<ul style="list-style-type: none"> • You or your child can draw rectangles or rectilinear figures on grid paper (https://bit.ly/2LNiOiO), and then your child can count the square units to find the area of the figures. Your child can also find the perimeter of the figures and look for a relationship between the area and perimeter of rectangles. • LearnZillion: Finding Area of a Square or Rectangle by Counting Unit Squares https://bit.ly/2LPRcJl

For more information on the learning goals and your child's progress, please contact your child's teacher.

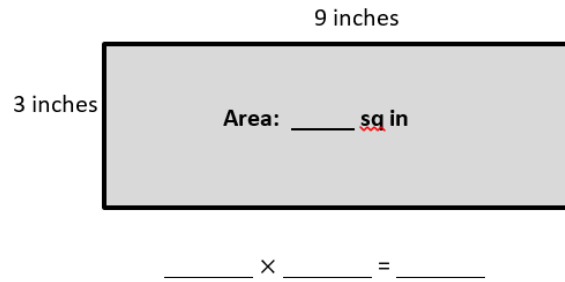
Connecting the area of a rectangle to the array model used to represent multiplication.

What is the area of the rectangle shown below?

What expression/equation represents how you solved for the area?



Write a multiplication equation to represent the area of the rectangle below.



- Look for examples of square units covering the area of items in the real-world, for example: square tiles on a floor or ceiling. Ask your child how they could find the number of squares without counting them all. How do you know how many squares there are? How could multiplication help you find the number of squares?
- LearnZillion: Relate Area to Arrays <https://bit.ly/2LAte8w>
- LearnZillion: Find the Area of a Rectangle: Using Arrays <https://bit.ly/2Ojf2iy>
- SheppardSoftware: Area Shape Shoot Game <https://bit.ly/1dvlTjG>