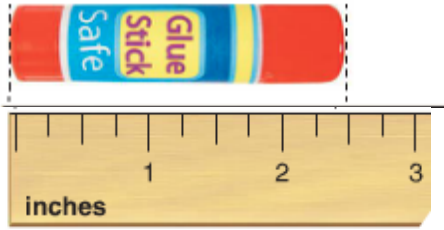
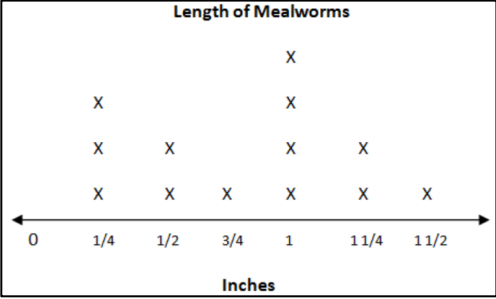


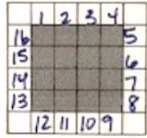
## Working with Linear Measurement

<p align="center"><b>Overarching Student Learning Goals</b></p> <p align="center">In this unit, your child will work to build an understanding of the following:</p>	<p align="center"><b>Resources/Tasks to support your child at home.</b></p>														
<p><b>Measuring to the nearest whole, half and fourth of an inch.</b></p> <p><i>What is the length of the gluestick to the nearest half-inch?</i></p> 	<ul style="list-style-type: none"> <li>• Have your child measure various objects in your home to the nearest inch, half and quarter-inch. Challenge your child to find lengths of objects when starting at a value other than zero, to show that the length of the object stays the same.</li> <li>• LearnZillion Video: Measuring Using a Ruler <a href="https://bit.ly/2uxOL83">https://bit.ly/2uxOL83</a></li> <li>• LearnZillion Video: Measuring Objects using Whole, Half and Quarter Inches <a href="https://bit.ly/2JzViYx">https://bit.ly/2JzViYx</a></li> </ul>														
<p><b>Creating line plots on a horizontal scale using wholes, halves or fourths.</b></p> <p><i>Create a line plot of the data displayed in the table below.</i></p> <table border="1" data-bbox="128 954 432 1279"> <thead> <tr> <th>Length of Mealworms in Inches</th> <th>Number of Mealworms</th> </tr> </thead> <tbody> <tr> <td><math>\frac{1}{4}</math></td> <td>III</td> </tr> <tr> <td><math>\frac{1}{2}</math></td> <td>II</td> </tr> <tr> <td><math>\frac{3}{4}</math></td> <td>I</td> </tr> <tr> <td>1</td> <td>IIII</td> </tr> <tr> <td><math>1\frac{1}{4}</math></td> <td>II</td> </tr> <tr> <td><math>1\frac{1}{2}</math></td> <td>I</td> </tr> </tbody> </table> <p align="center">Example of Correct Line Plot:</p> 	Length of Mealworms in Inches	Number of Mealworms	$\frac{1}{4}$	III	$\frac{1}{2}$	II	$\frac{3}{4}$	I	1	IIII	$1\frac{1}{4}$	II	$1\frac{1}{2}$	I	<ul style="list-style-type: none"> <li>• Your child can create a frequency table of the lengths of various items that they measure around the house. This data can then be displayed on a line plot. Ask questions about the line plot, such as: <ul style="list-style-type: none"> <li>○ What length has the greatest number of items?</li> <li>○ How many total items are displayed on the line plot?</li> <li>○ How many items were ____ inches or longer?</li> </ul> </li> <li>• LearnZillion Video: Construct and Interpret a Line Plot <a href="https://bit.ly/2Bknr1g">https://bit.ly/2Bknr1g</a></li> </ul>
Length of Mealworms in Inches	Number of Mealworms														
$\frac{1}{4}$	III														
$\frac{1}{2}$	II														
$\frac{3}{4}$	I														
1	IIII														
$1\frac{1}{4}$	II														
$1\frac{1}{2}$	I														

Grade 3

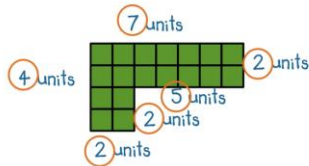
**Identifying perimeter as a linear measurement around a polygon; calculating and solving problems related to perimeter of polygons and rectangles.**

Find the perimeter of the shape below.



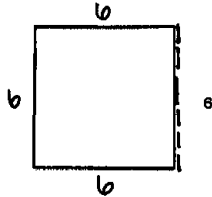
Perimeter = 16 units

Find the perimeter of the polygon below.



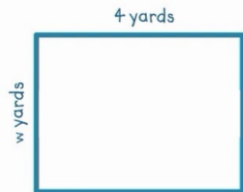
$$7 + 4 + 2 + 2 + 5 + 2 = 22 \text{ units}$$

Use the attributes of a rhombus to identify the missing side lengths and find the perimeter.



Rhombus  
Perimeter =  $6 + 6 + 6 + 6 = 24$

The perimeter of the rectangle below is 14 yards. What is the width of the rectangle?



$$4 + 4 + w + w = 14$$

$$8 + w + w = 14$$

I know that  $8 + 6 = 14$ ,  
and  $3 + 3 = 6$ , so the  
width is 3 yards.

- Give your child the opportunity to measure to find the perimeter of various flat surfaces around the house.
- Ask your child about dimensions of different shaped objects. What is the length of this table? What is the width? How could we find the perimeter of this table if we knew the length and width?
- LearnZillion Video: Find the Perimeter of a Polygon <https://bit.ly/2JyFS2E>
- LearnZillion Video: Find the Perimeter of a Square or Rectangle by Adding Side Lengths <https://bit.ly/2msiRFN>
- LearnZillion Video: Find the Perimeter of a Polygon with more than 4 Sides <https://bit.ly/2uKDBfx>