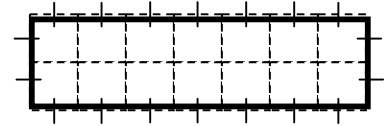


## Grade 1 Mathematics Unit Preview Quarter 3: Measurement

Objectives: (Your student will be able to)

- **Measure different lengths using non-standard units.** For example, we could measure the length of a book with paperclips, elbow macaroni, or small erasers.
- **Measure the lengths of objects and pictures of objects to the nearest inch.**
- **Measure the distance around a figure by counting linear units.** For example on the rectangle to the right, we can count around the rectangle to find 18 units.
- **Measure the area of a figure by counting square units.** For the rectangle to the right, we can count the area to be 14 square units.
- **Compare and order the relative weight of two objects.** For example, a bike is heavier than a book.
- **Estimate and measure the capacity of different sized containers using non-standard units.** For example, a bucket holds about a gallon of water.
- **Read a thermometer to tell temperature to the nearest ten degrees.**
- **Choose the appropriate tool to measure length, weight, capacity, and temperature.** For example, we use a scale to measure weight or a thermometer to measure temperature.



Vocabulary: (Words your student will need to understand)

<ul style="list-style-type: none"> <li>• <b>Standard Units:</b> A traditional unit of measurement from the metric or customary system. Examples include inches, meters, grams, pounds, cups, and liters.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Non-Standard Units:</b> Any real item that can be used to measure. Examples include paperclips, cookies, and yarn.</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Length:</b> The distance from one point to another</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Degree:</b> a unit for measuring temperature</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Area:</b> The number of square units needed to cover a surface</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Capacity:</b> The amount a container can hold when filled</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Thermometer:</b> A tool used to measure the temperature</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Measure:</b> To see how long, how much, or how heavy something is</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Temperature:</b> A measure of how hot or how cold something is</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Square Unit:</b> a square with a side length of one unit</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Cup:</b> a unit used to measure capacity 1 cup equals 8 ounces</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Gallon:</b> a unit used to measure capacity 1 gallon equals 4 quarts</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Inch:</b> a unit used to measure length</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Weight:</b> How heavy an object is</li> </ul>

See other side for activities that you can do with your student to support these objectives.



Activities to do with your student (in addition to homework, optional):

- Have your student help you cook by using measuring cups or measuring spoons.
- Weigh produce on the scale at the grocery store.
- Measure the length of various items around the house using different objects (crayons) or using rulers.
- Keep track of your students' growth by measuring their height every month.
- Use a thermometer to check the temperature each day.
- Practice addition and subtraction basic facts.