

Grade 3	Lesson: 15-1 Customary Units of Capacity	Reference to English
<b>Math Standard(s): 3.MD.2</b> <b>Domain: Measurement and Data</b>		
<b>Content objective(s):</b> Students will choose an appropriate unit and tool, estimate, and measure in cups, pints, quarts, and gallons. Students will identify objects which hold about a cup, a pint, a quart, or a gallon. 我会选择适合的单位和工具来估计和用杯, 品脱, 夸脱和加仑来测量。 我会认出大概一杯, 一品脱, 一夸脱或一加仑的物体。	<b>Language Objective(s):</b> Students will say their measurement estimations and actual measurements to their partner. 我会说出测量的估计和确切的测量给同学听。	
<b>Essential Understanding:</b> Capacity is a measure of the amount of liquid a container can hold.	<b>Required Academic Vocabulary for Word Wall:</b> <b>Listen:</b> 容量, 杯, 品脱, 夸脱, 加仑 <b>Read:</b> <b>Write:</b> <b>Speak:</b> <b>Sentence Frame:</b> “我估计出 ____ 杯, 但是确切的测量是 ____ 杯。”	
<b>Materials:</b> <ul style="list-style-type: none"> <li>Teaching Tool 47</li> <li>Guided and Independent Practice</li> </ul>	<b>Additional Lesson Vocabulary:</b>	
<b>Lesson:</b>		<b>Instructional Time:</b>
<p><b>Opening: (5 minutes)</b></p> <ul style="list-style-type: none"> <li>Review measuring different object using area and perimeter.</li> </ul> <p>T: “今天你会学习怎么测量一个容器可以装多少东西。”</p> <ul style="list-style-type: none"> <li>Display a variety of container – 1 cup, 1 quart, (multiples of each- everyday stuff too)</li> </ul> <p>T: “这个容器大概可以装一杯。告诉你旁边的同学还有哪个容器大概装一杯。”</p> <p><b>Introduction to New Material (Direct Instruction): (4 minutes)</b></p> <ul style="list-style-type: none"> <li>Use page 374B of the teachers’ manual.</li> </ul> <p>T: “告诉你旁边的同学你觉得最大的容器可以装多少东西。”</p> <p>T: “你的同学说什么？”</p> <p>T: “容器可以装的东西叫做容量。一杯是一个常用的单位。”</p> <p><b>Guided Practice: (12 minutes)</b></p> <p><u>Use the modeling cycle:</u></p> <p><u>Teacher Does:</u></p> <ul style="list-style-type: none"> <li>Do one more example with another container. Have the students estimate how many cups it holds.</li> <li>Then show the students how you can check your estimation.</li> </ul> <p><u>1 Students Does with Teacher:</u></p> <p><u>2 Students Do:</u></p> <p><u>All Students Do:</u></p> <ul style="list-style-type: none"> <li>Have students work in pairs to do Teaching Tool 47.</li> <li>Pass out 3 different containers to each group.</li> <li>Have them practice saying – “I estimated ____ cups, but it was actually ____ cups.”</li> <li>Share results with the class.</li> </ul> <p><b>Independent Practice: (8 minutes)</b></p> <ul style="list-style-type: none"> <li>Have students do problems 1,2,5-12 on page 374 independently.</li> </ul> <p><b>Closing: (5 minutes)</b></p> <ul style="list-style-type: none"> <li>Finish with problems 17 and 18 on page 375.</li> </ul>		
<b>Assessment:</b>		
<b>Guided and Independent Practice</b>		