

Grade 3	Lesson: 15-2 Metric Units of Capacity	Reference to English
Math Standard(s): 3.MD.2		Domain: Measurement and Data
Content objective(s):		Language Objective(s):
Students will choose an appropriate unit and tool, estimate, and measure in milliliters and liters. Students will identify objects that hold about a liter or a milliliter. 我会选择适合的单位和工具来估计和用毫升和公升来测量。 我会认出大概一毫升或一公升的物体。		Students will say their estimations to their partner. 我会说出我的估计给同学听。
Essential Understanding: Capacity is a measure of the amount of liquid a container can hold. Different units can be used to estimate or measure capacity. The most appropriate unit to use is often the one with which the measurement can be expressed using the least whole number.		Required Academic Vocabulary for Word Wall: Listen: 毫升, 公升 Read Write: Speak: Sentence Frame:
Materials: <ul style="list-style-type: none"> • liter container • water • sand • rice 		Additional Lesson Vocabulary: 比较
Lesson:		Instructional Time: 30-35 minutes
Opening: (4 minutes) <ul style="list-style-type: none"> • Review estimating and measuring the capacity of containers with a cup. • Display different sizes and shapes of containers. Introduction to New Material (Direct Instruction): (6 minutes) <ul style="list-style-type: none"> • Use 376B in the Teachers' Manual. • Do Pose the Problem as a whole group. T: “两个容量的米制单位是公升和毫升。1 公升里有 1,000 毫升。” Guided Practice: (10 minutes) <u>Use the modeling cycle:</u> Teacher Does: T: “一个水瓶的容量大概是 1 公升。” <ul style="list-style-type: none"> • Do model/demonstrate on page 376B. <u>1 Students Does with Teacher:</u> <u>2 Students Do:</u> <u>All Students Do:</u> T: “现在请两个人一组来估计容器的容量。你需要说, “我估计是 ____ 公升。” T: “现在我们一起测量。我需要一个学生来帮忙。” Independent Practice: (8 minutes) <ul style="list-style-type: none"> • Have students do problems 1,2,5-12 on page 376 independently. Closing: (8 minutes) <ul style="list-style-type: none"> • Review problems 1,2,5-12 on page 376 as a whole class. • Explain why each one was chosen. • Do problem 23 on page 377 as a whole group. 		
Assessment:		
Guided and Independent Practice		