Grade 4

#WeAREcaddo

MISSION 2

Measure and Solve

This mission applies place value understanding to metric units of length, mass and capacity. Students will move between larger and smaller units to solve problems, just like they bundled and unbundled on the place value chart.
Students will explore the patterns in the place value system through metric conversions and will use mixed unit conversions to prepare for fraction and decimal operations to come.

Mass	
kg	**g**
1	1,000
6	
	8,000
15	
	24,000
550	

A typical fill-in-the-blank conversion table in Module 2

How you can help at home:

- If you have metric measurement tools at home, encourage your students to measure objects around the house.
- Continue to talk about place value patterns with your student, e.g., how many 10s in 100? How many 100s in 1000?
- Review the vocabulary words in this unit, especially the new metric measurement words.
- Ask students to explain how they are using the number line to mark off regular intervals for the metric units they are working with.

Terms, Phrases and Strategies in this Mission:

- ❏ **kilometer (km), meter (m), centimeter (cm)**: units of measure for length
- ❏ **mass**: the measure of the amount of matter in an object
- ❏ **milliliter (mL), liter (L)**: units of measure for liquid volume
- ❏ **capacity**: the maximum amount that something can contain
- ❏ **convert**: to express a measurement in a different unit
- ❏ **kilogram (kg), gram (g)**: units of measure for mass
- ❏ **length**: the measurement of something from end to end
- ❏ **weight**: the measurement of how heavy something is