



Dear Family,

This unit is about the metric measurement system. During this unit, students will become familiar with metric units of length, capacity, mass, and time, as well as the size of each when compared to each other.

One **meter** is about the distance an adult man can reach, or a little longer than a yard.

One **liter** is about two large glasses of liquid, or a little more than a quart.

One **gram** is about the mass of a paper clip or a single peanut. One **kilogram** is a little more than 2 pounds.

Students will also discover that the metric system is based on multiples of 10. Prefixes in the names of metric measurements tell the size of a measure compared to the size of the base unit.

Units of Length						
kilometer	hectometer	decameter	meter	decimeter	centimeter	millimeter
km	hm	dam	m	dm	cm	mm
$10 \times 10 \times 10 \times$ larger	$10 \times 10 \times$ larger	$10 \times$ larger	1 m	$10 \times$ smaller	$10 \times 10 \times$ smaller	$10 \times 10 \times 10 \times$ smaller
1 km = 1,000 m	1 hm = 100 m	1 dam = 10 m		10 dm = 1 m	100 cm = 1 m	1,000 mm = 1 m

The most commonly used length units are the **kilometer**, **meter**, **centimeter**, and **millimeter**.

The most commonly used capacity units are the **liter** and **milliliter**.

The most commonly used units of mass are the **gram**, **kilogram**, and **milligram**.

If you have any questions or comments, please call or write to me.

Sincerely,  
Your child's teacher



This unit includes the Common Core Standards for Mathematical Content for Measurement and Data, 4.MD.1, 4.MD.2, 4.MD.3, 4.MD.4 and all Mathematical Practices.