

Unit 12

Family Letter

Reveal
MATH[®]

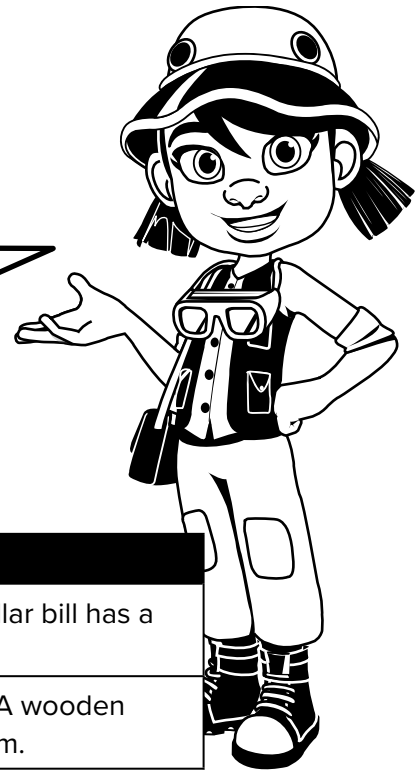
Dear Family,

In this unit, Measurement and Data, your child will learn how to measure liquid volume, mass, length, and time. Your child will also learn how to create scaled pictures graphs, bar graphs and line plots.

STEM Career Kid for this Module

Hi, I'm Maya.

I want to be a geologist. I will use math in my job when I collect and organize data. I'll show students how I use measurements in my work.



What math terms will your child use?

Term	Student Understanding
gram	a metric unit measuring lesser mass; A dollar bill has a mass of about 1 gram.
kilogram	a metric unit for measuring greater mass; A wooden baseball bat has a mass of about 1 kilogram.
mass	the amount of matter in an object
key	shows how many data items each symbol represents in a scaled picture graph
scaled picture graph	a way to organize a set of data that uses the same symbol to represent more than one amount or value
line plot	a way to display data with Xs above a number line



What can your child do at home?

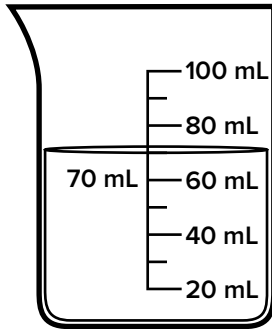
Help your child develop a better understanding of measurement by having him or her measure household objects to the nearest half inch or quarter inch. Discuss with your child which provides a more precise measurement of length.

What Will Students Learn in This Unit?

Estimating and Measuring the Volume of Liquids

Your child will estimate and measure the volume of liquids. Students will learn that liquid volume can be measured in metric units such as liters (L) and milliliters (mL). Students will also learn that 1 milliliter is a very small amount of liquid compared to 1 liter.

Example:

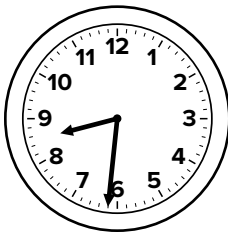


This beaker contains 70 milliliters of liquid.

Telling Time to the Nearest Minute

Your child will learn how to tell time to the nearest minute. Students will learn that when doing so, they first look at the hour hand and then the minute hand to determine the time. Your child will learn two ways to state the time.

Example:

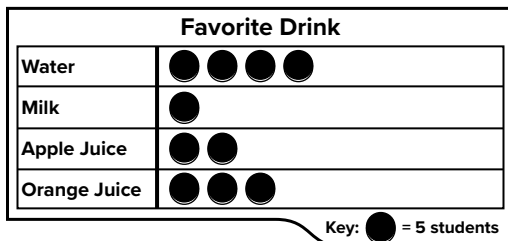


The time is 8:31, or 29 minutes to 9.

Drawing a Scaled Picture Graph

Your child will learn to display data in a scaled picture graph. Students learn how to use a key to represent how many items each symbol in a graph represents. They also learn that each scaled picture graph should include a title that summarizes the contents of the graph.

Example:



Twenty students like water.

Five students like milk.

Ten students like apple juice.

Fifteen students like orange juice.