

Chapter 23: Measurement

Vocabulary

Dear Family,

During the next few weeks, our math class will be learning about estimating and measuring capacity, liquid volume, weight, mass, and temperature, and using fractions to measure length to the nearest half and quarter inch.

- **Capacity:** The amount a container will hold.
- **Celsius:** The metric temperature scale.
- **Fahrenheit:** The customary temperature scale.
- **Liquid Volume:** The amount of liquid in a container.
- **Mass:** The amount of matter in an object.
- **Weight:** The heaviness of an object.

-
- **Homework due date: Sunday, April 12th**
 - **Please refer to the HW packet for more information on converting units.**
 - **Feel free to contact me with any questions at diana.charaf@archimedean.org**

Complete homework daily based on the schedule provided below:

Monday 04/06

IXL Lessons: **5R3 - 6EQ**

Tuesday 04/07

IXL Lessons: **ZYA - MRB**

Wednesday 04/08

IXL Lessons: **K8Z - 7FE**

Thursday 04/09

IXL Lessons: **LYS - GK8**

Friday 04/10

IXL Lessons: **MCN - 65R**

Converting customary units

How many feet are there in 6 yards? Convert the yards to feet to find out!

This table shows some of the relationships between [customary units](#) of length, weight, and capacity (volume). You can use these relationships to convert between the units.

Length

1 foot (ft.) = 12 inches (in.)
1 yard (yd.) = 3 ft.
1 mile (mi.) = 1,760 yd.
1 mi. = 5,280 ft.

Weight

1 pound (lb.) = 16 ounces (oz.)
1 ton = 2,000 lb.

Capacity

1 cup (c.) = 8 fluid ounces (fl. oz.)
1 pint (pt.) = 2 c.
1 quart (qt.) = 2 pt.
1 gallon (gal.) = 4 qt.

How do you convert between customary units?

To convert between customary units, follow these rules:

- To convert from a **larger** unit to a **smaller** unit, multiply.
- To convert from a **smaller** unit to a **larger** unit, divide.

Converting metric units

How many centimeters are there in 6 meters? Convert the meters to centimeters to find out!

This table shows some of the relationships between [metric units](#) of length, mass, and liquid volume. You can use these relationships to convert between the units.

Length
1 centimeter (cm) = 10 millimeters (mm)
1 meter (m) = 100 cm
1 kilometer (km) = 1,000 m

Mass
1 kilogram (kg) = 1,000 grams (g)

Liquid volume
1 liter (L) = 1,000 milliliters (mL)

How do you convert between metric units?

To convert between metric units, follow these rules:

- To convert from a **larger** unit to a **smaller** unit, multiply.
- To convert from a **smaller** unit to a **larger** unit, divide.