Chapter 6 Units of Measure

6.1 Convert Units of Length

**Customary Units of Length**
- 1 foot (ft) = 12 inches (in.)
- 1 yard (yd) = 36 inches
- 1 yard = 3 feet
- 1 mile (mi) = 5,280 feet
- 1 mile = 1,760 yards

**Metric Units of Length**
- 1,000 millimeters (mm) = 1 meter (m)
- 100 centimeters (cm) = 1 meter
- 10 decimeters (dm) = 1 meter
- 1 dekameter (dam) = 10 meters
- 1 hectometer (hm) = 100 meters
- 1 kilometer (km) = 1,000 meters

Be sure to use the correct conversion factor. The units you are converting from should divide out, leaving only the units you are converting to.

Lesson 6.2 Convert Units of Capacity

**Customary Units of Capacity**
- 8 fluid ounces (fl oz) = 1 cup (c)
- 2 cups = 1 pint (pt)
- 2 pints = 1 quart (qt)
- 4 cups = 1 quart
- 4 quarts = 1 gallon (gal)

**Metric Units of Capacity**
- 1,000 milliliters (mL) = 1 liter (L)
- 100 centiliters (cL) = 1 liter
- 10 deciliters (dL) = 1 liter
- 1 dekaliter (daL) = 10 liters
- 1 hectoliter (hL) = 100 liters
- 1 kiloliter (kL) = 1,000 liters

Be sure to use the correct conversion factor. The units you are converting from should divide out, leaving only the units you are converting to.
Lesson 6.3 Covert Units of Weight and Mass

**Customary Units of Weight**
- 1 pound (lb) = 16 ounces (oz)
- 1 ton (T) = 2,000 pounds

**Metric Units of Mass**
- 1,000 milligrams (mg) = 1 gram (g)
- 100 centigrams (cg) = 1 gram
- 10 decigrams (dg) = 1 gram
- 1 dekagram (dag) = 10 grams
- 1 hectogram (hg) = 100 grams
- 1 kilogram (kg) = 1,000 grams

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Lesson 6.5 Distance, Rate and Time Formulas

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