

Metric System

Question: What are the metric base units?
Answer: Mass/gram, Length/meter, Volume/liter



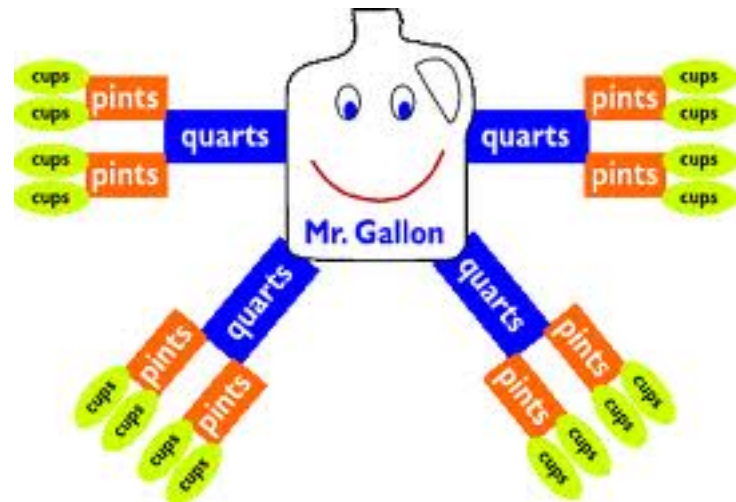
Gram Meter Liter

Gesture: Palms up balancing hands, palms in move hands apart, arms out teaching fingers
Say: "Gram... meter... liter".



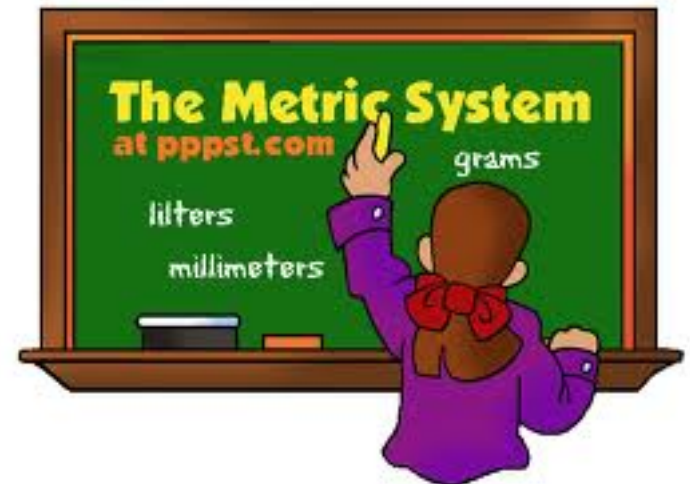
Customary System

- Traditional system of measurement
- Units include feet, miles, pounds, and gallons



Metric system

- Used in science.
- One base unit for each type of measurement



mass

- Base unit is the gram



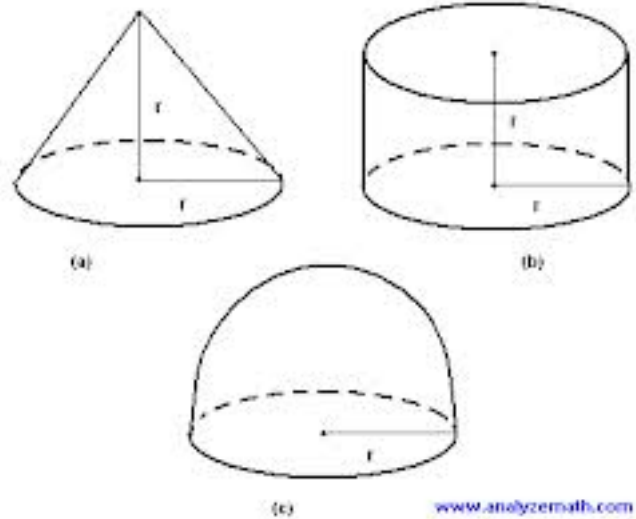
length

- Base unit is the meter



Volume

- Base unit is the liter



Prefixes

- Adding a prefix creates a new unit that is a power of 10 bigger or smaller than the base unit



Metric Prefixes

- Milli – $1/1000$ of the base unit
- Centi – $1/100$ of the base unit
- Kilo – 1000 times the base unit



Common metric units

- Length - Millimeter, centimeter, meter, kilometer
- Mass - Milligram, gram, kilogram
- Volume - Milliliter, liter

