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MEASUREMENT BASICS

MEMORIZE THESE CONVERSION FACTORS.
KNOW HOW TO USE THEM.
REMEMBER THEM.

SI BASIC UNITS OF: Mass _____
Length _____
Volume_____

UNIT:	**CONVERSION FACTOR** (the useful form)	
MASS		
1 g. = 1000 mg.	$\frac{1\text{ g.}}{1000\text{ mg.}}$	$\frac{1000\text{ mg.}}{1\text{ g.}}$
1000 g. = 1 kg.	$\frac{1\text{ kg.}}{1000\text{ g.}}$	$\frac{1000\text{ g.}}{1\text{ kg.}}$
VOLUME		
1 L. = 1000 mL.	$\frac{1\text{ L.}}{1000\text{ mL}}$	$\frac{1000\text{ mL.}}{1\text{ L.}}$
1 cm^3. = 1 mL.	$\frac{1\text{ cm}^3}{1\text{ mL}}$	$\frac{1\text{ mL}}{1\text{ cm}^3}$
LENGTH		
1 m. = 1000 mm.	$\frac{1\text{ m.}}{1000\text{ mm.}}$	$\frac{1000\text{ mm.}}{1\text{ m.}}$
1 000 mm = 1 m.	$\frac{1\text{ m.}}{1000\text{ mm.}}$	$\frac{1000\text{ mm.}}{1\text{ m.}}$
1000 m. = 1 Km.	$\frac{1000\text{ m.}}{1\text{ Km.}}$	$\frac{1\text{ Km.}}{1000\text{ m.}}$