The Metric System
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Overview

The Metric System is a decimal system used for measurement. It uses a series of base units including meters, seconds, and grams to describe measures. Taking into account the SI Base Units, the Metric System is unique in using prefixes to describe the quantity of the specific base units. These prefixes will be the focus of this study guide.

Prefix	Wording	Multiplyer	Factor
Giga (G)	**Billion**	**1,000,000,000**	$1*10^9$
Mega (M)	**Million**	**1,000,000**	$1*10^6$
Kilo (k)	**Thousand**	**1,000**	$1*10^3$
Hecto (h)	Hundred	100	$1*10^2$
Deca (da)	Ten	10	$1*10^1$
		1	
Deci (d)	Tenth	1/10	$1*10^{-1}$
Centi (c)	**Hundredth**	**1/100**	$1*10^{-2}$
Milli (m)	**Thousandth**	**1/1000**	$1*10^{-3}$
Micro (μ)	**Millionth**	**1/1000000**	$1*10^{-6}$
Nano (n)	**Billionth**	**1/1000000000**	$1*10^{-9}$

Mr W Note: You MUST absolutely, positively know those items highlighted in **BLUE** above