

	Systems		
	SI	CGS	FPS
Length	meter (m)	centimeter (cm)	foot (ft)
Mass	kilogram (kg)	gram (g)	pound
Time	second (s)	second (s)	second (s)
		ı	

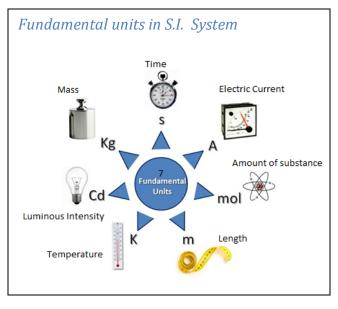
MEASUREMENT

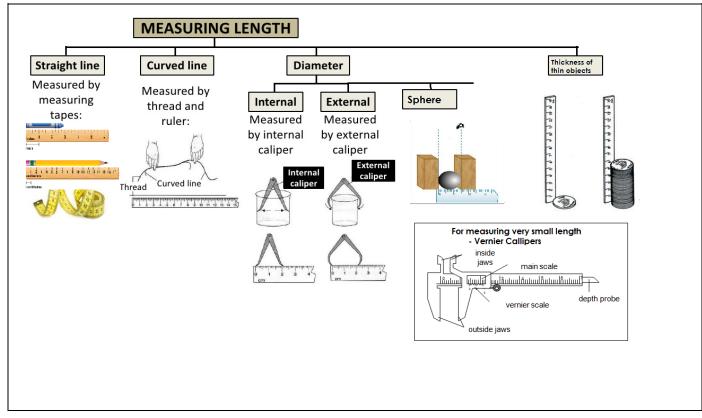
Kinds of Units:

1. Fundamental or basic units

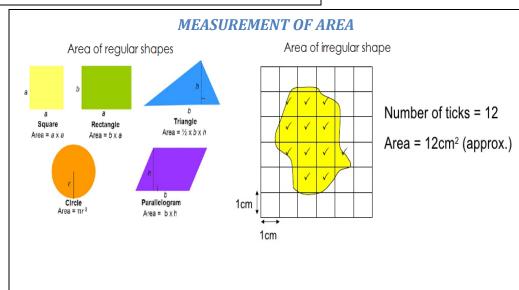
Derived Units:

Quantity	Definition	Derived Unit (Name)	
Area	Length x length	m² (meters squared)	
Volume	area x length	m³ (cubic meters)	
Speed	distance / unit time	m/s (meters per second)	
Density	mass / unit volume	kg/m³ (kilogram per cubic meter)	
Acceleration	Change in speed / unit time	m/s² (meter per second squared)	
Force	Mass x acceleration	kg·m/s² (newton, N)	
Energy	Force x distance	kg·m²/s² (joule, J)	
Pressure	Force / unit area	kg/(m·s²) (pascal, P)	

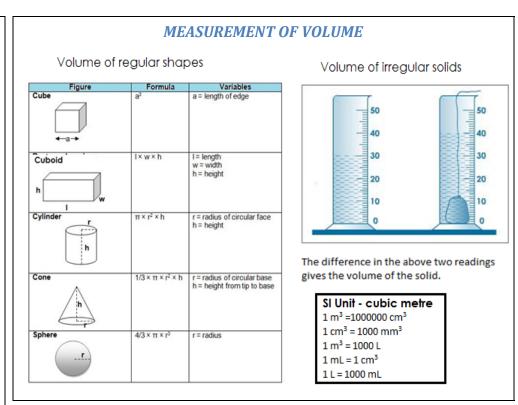




- 15	Prefix	Abbreviation	Power of 10	Numbe
tiples	tera	T	1012	1 000 000 00
	giga	G	109	1 000 000
	mega	M	106	1 000 00
	kilo	k	101	1 000
	hecto	h	10 ²	100
	deca	da	101	10
nultiples	deci	d	10-1	0.1
	centi	c	10-2	0.01
	milli	m	10-3	0.001
	micro	μ	10-6	0.00000
	nano	n	10-9	0.0000000
	pico	р	10-12	0.000000000



MEASUREMENT OF MASS

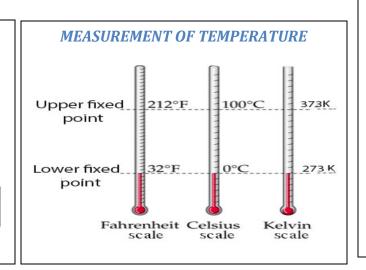






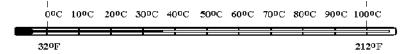




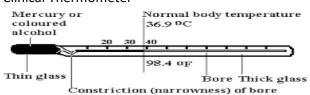


Types of Thermometer:

• Laboratory Thermometer



Clinical Thermometer



Maximum-minimum Thermometer (Six Thermometer)