BASIC PREFIXES AND UNITS

THINGS THAT YOU HAVE TO KNOW THAT YOU KNOW



Power of 10	Exponent			Common Name
9	10 9	giga	G	billion
6	10 ⁶	mega	М	million
3	10 ³	kilo	k	thousand
2	10 ²	hecto	h	hundred
1	10 ¹	deca	da	ten
-1	10 -1	deci	d	tenth
-2	10 -2	centi	с	hundredth
-3	10 - ³	milli	m	thousandth
-6	10 -6	micro	μ	millionth
-9	10 -9	nano	n	billionth

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	MILLATE	ASURE	S A all
ī		FFICE	1
ł		etric	British Imperial
	mks	cgs	
length			
mass			
time			





	Metric		British Imperial
		CGS	
length	meter (m)	centimeter (cm)	foot or inch
mass			
time			
temperature			
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	Metric		British Imperial
	MKS	CGS	
length	meter (m)	centimeter (cm)	foot or inch
mass	kilogram (kg)	gram (g)	slug
lime			
temperature			



 Metric
 British Imporial

 MKS
 CGS

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 CGS

 meter
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 (cm)
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 (cm)
 Seconds

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 (cm)

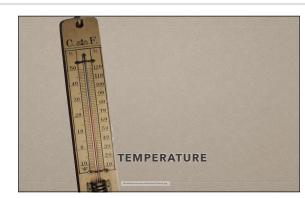
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 Seconds

 (cm)
 Seconds

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 Seconds

12



	Metric		British Imperial
	MKS	CGS	
length	meter (m)	centimeter (cm)	foot or inch
mass	kilogram (kg)	gram (g)	slug
time	seconds (s)	seconds (s)	seconds
temperature	Kelvin (K) Degrees Celsius (°C)		Fahrenheit (°F)

A BRAND NEW UNIT YOUR HOMEWORK TONIGHT

Introduce to the class a new unit; one that represents you. Name the unit, and the symbol for it. Tell us what it measures, counts, or represents. Tell us the conversions to other units or amounts. Tell us why the scientific community has honored you with the namesake of the unit. Picture. Story. Design. 14

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- THE GORDIE HOWE HAT TRICK GH
- In Hockey a Hat Trick is three goals
- The Gh is, in one game, a goal, an assist, and a fight.
- Although named after Howe, currently Rick Tocchet holds the record with 18 Gh games (9 with the Flyers).



ENGINEERING BOOT CAMP INTRODUCTIONS

Introduce to the class to your favorite invention, process, or technology.

State the problem that existed. Explain how the problem was solved. Tell us how that CHANGED YOUR LIFE. Can it be better?

> PHOTO / DIAGRAM SHORT PARAGRAPH

> > 19

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17

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THE STARBUCKS SPLASH STICK

- Simple motion often caused me to lose some coffee, or leave drips on (all) of my shirts.
- This closes the opening in the lid, keeps the coffee hot a little bit longer, and stops the splash.
- With the splash stick, I can walk faster and with more confidence. My shirts are not

