

Name: _____

Period: ____ Subject: _____

Date: _____

Metric System Prefixes

prefix	number	word	abbrev. (w/ meter)	scientific notation
nano-	$\frac{1}{1,000,000,000}$	one billionth	nm	1×10^{-9}
micro-	$\frac{1}{1,000,000}$	one millionth	μm or um	1×10^{-6}
milli-	$\frac{1}{1000}$	one thousandth	mm	1×10^{-3}
centi-	$\frac{1}{100}$	one hundredth	cm	1×10^{-2}
kilo-	1000	one thousand	km	1×10^3
mega-	1,000,000	one million	Mm	1×10^6
giga-	1,000,000,000	one billion	Gm	1×10^9

Assignment:

The prefixes listed above actually extend to numbers larger than 1×10^9 and smaller than 1×10^{-9} . On the back of this paper are places to list the missing prefixes. When you get this page back with a grade, please keep it as a reference for the rest of the semester.

Metric Merriment – “Pun”ny prefixes

10^{12} microphones = 1 megaphone
 10^6 bicycles = 1 megacycle
500 millenaries = 1 seminary
2000 mockingbirds = 2 kilomockingbirds
10 cards = 1 decacards
 10^{-6} fish = 1 microfiche
 10^{12} pins = 1 terrapin
 10^{21} piccolos = 1 gigolo
10 millipedes = 1 centipede

$3\frac{1}{3}$ tridents = 1 decadent
10 monologs = 5 dialogues
2 monograms = 1 diagram
8 nickels = 2 paradigms
2 snake eyes = 1 paradise
2 wharves = 1 paradox
1 milliHelen = the amount of beauty
required to launch
one ship

prefix	number	word	abbrev. (w/ meter)	scientific notation
yocto-				
	0.000 000 000 000 000 000 001			
		quintillionth		
			fm	
				1×10^{12}
Prefixes for 1×10^{-9} through 1×10^9 listed on front				
tera-				
	1,000,000,000,000,000			
		quintillion		
			Zm	
				1×10^{24}