

Name	Number	Prefix
One Septillionth	10^{-24}	yocto
One sextillionth	10^{-21}	zepto
One quintillionth	10^{-18}	atto
One quadrillionth	10^{-15}	femto
one trillionth	10^{-12}	pico
one billionth	10^{-9}	nano
one millionth	10^{-6}	micro
one thousandth	10^{-3}	milli
one hundredth**	10^{-2}	centi
one tenth**	10^{-1}	deci
one	10^0	
ten*	10^1	
hundred*	10^2	
thousand	10^3	kilo
million	10^6	mega
billion	10^9	giga
trillion	10^{12}	tera
quadrillion	10^{15}	peta
quintillion	10^{18}	exa
sextillion***	10^{21}	zetta
septillion***	10^{24}	yotta

* These are the only two number names we use that do not represent groups of 3 zeroes.

** These are the only prefixes that we use regularly that do not involve groups of 3 zeroes.

*** These are included in this handout because their prefixes have really cool funny sounding

NOTE - The -illion prefixes mi-, bi- tri-, quad-, etc. represent one, two, three, four, etc. groupings of 3 zeroes BEYOND the original three from one thousand, so each has one more group of zeroes than their name suggests. Octillion has 9 groups of 3 zeroes (not the 8 that oct might make you think).