


Exponent	Decimal	Prefix	Abbreviation
$10^{15}$	1 000 000 000 000 000	peta	P
$10^{12}$	1 000 000 000 000	tera	T
$10^9$	1 000 000 000	giga	G
$10^6$	1 000 000	mega	M
$10^3$	1 000	kilo	k
$10^0$	1	(none)	
$10^{-2}$	0.01	centi	c
$10^{-3}$	0.001	milli	m
$10^{-6}$	0.000 001	micro*	$\mu$
$10^{-9}$	0.000 000 001	nano	n
$10^{-12}$	0.000 000 000 001	pico	p
$10^{-15}$	0.000 000 000 000 001	femto	f
$10^{-18}$	0.000 000 000 000 000 001	atto	a

}  \*note this exception

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arcminute, or  $1/3600$  of a degree. The word *parsec* is a shortening of the phrase “parallax of one arcsecond.” The full meaning of that phrase is complicated, but ultimately one parsec is how far you would need to be from our Solar system for the distance between the Earth and the Sun (about 93 million miles) to be separated by exactly one arcsecond in your field of view. (Fun facts, to know and share!)