

# Numbers

<i>name</i>	<i>oom</i>	<i>SI prefixes</i>	<i>number</i>
septillion	24	yotta = Y	1 000 000 000 000 000 000 000 000
sextillion	21	zetta = Z	1 000 000 000 000 000 000 000
quintillion	18	exa = E	1 000 000 000 000 000 000
quadrillion	15	peta = P	1 000 000 000 000 000
trillion	12	tera = T	1 000 000 000 000
billion	9	giga = G	1 000 000 000
million	6	mega = M	1 000 000
thousand	3	kilo = k	1 000
hundred	2	hecto = h	100
ten	1	deca = da	10
one	0	-	1
one tenth	-1	deci = d	1/10
.. hundredth	-2	centi = c	1/100
.. thousandth	-3	milli = m	1/1 000
.. millionth	-6	micro = $\mu$	1/1 000 000
.. billionth	-9	nano = n	1/1 000 000 000
.. trillionth	-12	pico = p	1/1 000 000 000 000
.. quadrillionth	-15	femto = f	1/1 000 000 000 000 000
.. quintillionth	-18	atto = a	1/1 000 000 000 000 000 000
.. sextillionth	-21	zepto = z	1/1 000 000 000 000 000 000 000
.. septillionth	-24	yocto = y	1/1 000 000 000 000 000 000 000 000

*oom* = order of magnitude, in powers of 10. Examples:

$10^3$  (10 to the 3rd) =  $10 \times 10 \times 10 = 1000$

$10^{-6}$  metre: one micrometre;  $10^2$  litre: one hectolitre.