

- У Великобританії та США розряди чисел відокремлюють один від одного комою, а ціле число від дробового у десятичній формі – крапкою.
- Нуль як одну із цифр числа вимовляють *o* [ɔ], можна також вимовляти як *nought* [nɔ:t] або *zero* [ˈzɪrə]; у ролі самостійного числа нуль вимовляють *zero* [ˈzɪrə].
- Усі літери латинського алфавіту читають відповідно до їхніх англійських назв.

+	plus
–	minus
±	plus or minus
× ·	multiplied by
÷ : /	divided by
( )	round brackets; parentheses
{ }	curly brackets; braces
[ ]	square brackets; brackets
...	and so on to
≡	(is) identical with; (is) always equal to; (is) congruent to
~	equivalent, similar; of the order of; proportional to
≅	(is) approximately equal to; approximately equals
∞	infinity
$x \rightarrow \infty$	$x$ tends to infinity; $x$ approaches infinity
∝	varies directly as; (is) (directly) proportional to
– $a$	negative $a$
$n!$	$n$ factorial
$\hat{\phi}$	phi hat
$a'$	$a$ prime
$a''$	$a$ double prime
$a_2''$	$a$ second, double prime; $a$ double prime, second
$a'''$	$a$ triple prime
$f'_c$	$f$ prime sub (suffix) $c$ ; $f$ suffix (sub) $c$ , prime

$\vec{a}$	$a$ vector; the mean value of $a$
$\dot{a}$	the first derivative
$\ddot{a}$	the second derivative
$\dddot{a}$	the third derivative
$a_1$	$a$ first; $a$ sub one; $a$ suffix one
$a_n$	$a$ $n$ -th; $a$ sub $n$ ; $a$ suffix $n$
$a_k^2$	$a$ sub $k$ sup 2; $a$ sup 2 sub $k$
$10''$	ten seconds; ten inches
$90^\circ$	ninety degrees
$87^\circ 6' 10''$	eighty seven degrees six minutes ten seconds
$\sin 30.2^\circ$	the sine of thirty point two degrees
$\tan \theta = \frac{\sin \theta}{\cos \theta}$	the tangent of theta equals the sine of theta over the cosine of theta
$\cos A = \frac{\tan b}{\cot c}$	the cosine of capital $A$ is equal to the tangent of $b$ divided by the cotangent of $c$
$\tan \theta = \frac{\sec \theta}{\csc \theta}$	tangent theta equals secant theta over cosecant theta
$a = b$	$a$ is $b$ ; $a$ equals $b$ ; $a$ is equal to $b$
$a \neq b$	$a$ is not $b$ ; $a$ does not equal $b$ ; $a$ is not equal to $b$
$a \approx b$	$a$ approximately equals $b$
$a \pm b$	$a$ plus or minus $b$
$a > b$	$a$ is greater than $b$
$a \gg b$	$a$ is much greater than $b$
$a < b$	$a$ is less than $b$
$a \ll b$	$a$ is much less than $b$
$a \geq b$	$a$ is greater than or equals $b$
$a \leq b$	$a$ is less than or equals $b$
$a_2 > a_d$	$a$ second is greater than $a$ $d$ -th

$ a $	the modulus of $a$ ; the absolute value of $a$
$a + b = c$	$a$ plus $b$ is $c$ ; $a$ plus $b$ equals $c$ ; $a$ plus $b$ is equal to $c$ ; $a$ plus $b$ makes $c$
$4 + 7 = 11$	four plus seven is eleven; four plus seven equals eleven; four plus seven is equal to eleven
$12 > 5 + 5$	twelve is greater than five plus five
$5 + 5 < 12$	five plus five is less than twelve
$y = \sum_{k=0}^4 a_k x^k$	$y$ equals the sum from $k$ equal to zero to $k$ equal to four of $a$ sub $k$ , $x$ to the power of $k$
$c - b = a$	$c$ minus $b$ is $a$ ; $c$ minus $b$ equals $a$ ; $c$ minus $b$ is equal to $a$ ; $c$ minus $b$ leaves $a$
$(2x - y)$	bracket two $x$ minus $y$ close the bracket
$18 - 6 = 12$	eighteen minus six is equal to twelve; eighteen minus six equals twelve; eighteen minus six is twelve; eighteen minus six leaves twelve
$1 \times 1 = 1$	once one is one
$2 \times 2 = 4$	twice two is four
$5 \times 5 = 25$	five times five is twenty five; five multiplied by five equals twenty five; five by five is equal to twenty five; five times five makes twenty five
$\prod_{i=1}^n 1 = 1$	the product from $i$ equal to one to $n$ of one equals one
$A \times B$	the Cartesian product of $A$ and $B$
$S = v \cdot t$	distance = velocity $\times$ time; $S$ equals $v$ by $t$ ; $S$ is equal to $v$ multiplied by $t$ ; $S$ equals $v$ times $t$ , where $S$ means distance, $v$ means velocity, $t$ means time
$A = F \cdot S$	work = force $\times$ distance; work is equal to the product of the force times distance; $A$ equals $F$ multiplied by $S$ where $A$ means work, $F$ means force and $S$ means distance
$16 : 4 = 4$	sixteen divided by four is four; sixteen by four equals four; sixteen by four is equal to four; the ratio of sixteen to four is four

$20 : 5 = 16 : 4$	the ratio of twenty to five equals (is equal to) the ratio of sixteen to four
$\frac{20}{5} = \frac{16}{4}$	
$1 : 2$	the ratio of one to two
$2 : 3 = 4 : 6$	two to three is as four to six
$1/2$	a (one) half
$1/3$	a (one) third
$1/4$	a (one) quarter; a (one) fourth
$1/8$	one eighth
$2/3$	two thirds
$3/4$	three quarters; three fourths
$5/6$	five sixths
$25/57$	twenty-five fifty-sevenths
$1/273$	one two hundred and seventy third
$2 \frac{1}{2}$	two and a half
$3 \frac{3}{4}$	three and three quarters
1.1	one point one
2.12	two point one two
15.505	fifteen point five o [ou] five
0.5	o [ou] point five;
.5	zero point five; nought point five; point five; one half
0.002	o [ou] point o [ou] o [ou] two;
.002	zero point zero zero two; point two oes[ouz] two; point two noughts two
0.0000001	o [ou] point six noughts one
.0000001	
$\sin 30.2^\circ = .5030$	the sine of thirty point two degrees equals zero point five, zero, three, zero
12%	twelve percent
87	eighty-seven
101	one hundred (and) one
211	two hundred (and) eleven
1,024	one thousand (and) twenty-four
3,728	three thousand seven hundred (and) twenty-eight
100,000	one hundred thousand

1,048,576	one million forty-eight thousand five hundred (and) seventy-six
1,000,000,000	one billion
$a^n$	$a$ to the $n$ -th power;
$a^n$	$a$ to the power of $n$ ; the $n$ -th power of $a$ ; $a$ raised to the $n$ -th power
$x^2$	$x$ square;
$x^2$	$x$ squared; the square of $x$ ; the second power of $x$ ; $x$ to the second power; $x$ raised to the second power
$4^2 = 16$	four squared is sixteen; the square of four is sixteen; the second power of four is sixteen
$(a + b)^2$	$a$ plus $b$ all squared
$y^3$	$y$ cube;
$y^3$	$y$ cubed; the cube of $y$ ; the third power of $y$ ; $y$ raised to the third power; $y$ to the third power
$3^3 = 27$	three cube is twenty seven; the cube of three is twenty seven
$a^5$	$a$ to the fifth power; $a$ raised to the fifth power
$y^{-10}$	$y$ to the minus tenth power
$\sqrt{16} = 4$	the square root of sixteen is four
$\sqrt{a}$	the square root of $a$
$\sqrt[3]{a}$	the cube root of $a$
$\sqrt[3]{27} = 3$	the cube root of twenty seven is three
$\sqrt[4]{16} = 2$	the fourth root of sixteen is two
$\sqrt[5]{a^2}$	the fifth root of $a$ square
$\alpha = \sqrt{R^2 + x^2}$	alpha equals the square root of capital $R$ square plus $x$ square
$\sqrt{\frac{7_1 + A}{2xa''}}$	the square root of seven first plus capital $A$ divided by two $xa$ double prime
$\frac{x \pm \sqrt{x^2 - y^2}}{y}$	$x$ plus or minus the square root of $x$ square minus $y$ square all over $y$
$a^{\frac{m}{n}} = \sqrt[n]{a^m}$	$a$ to the $m$ by $n$ -th power equals the $n$ -th root of (out of) $a$ to the $m$ -th power

$\frac{a+b}{a-b} = \frac{c+d}{c-d}$	$a$ plus $b$ over $a$ minus $b$ is equal to $c$ plus $d$ over $c$ minus $d$
$a = \frac{e}{l}$	$a$ is equal to the ratio of $e$ to $l$
$\frac{ab^2}{b} = ab$	$ab$ square (divided) by $b$ equals $ab$
$\frac{a}{\infty} = 0$	$a$ divided by infinity is infinitely small; $a$ by infinity is equal to zero
$L = \sqrt{R^2 \pm x^2}$	capital $L$ equals the square root out of capital $R$ square plus minus $x$ square
$E = \frac{\frac{P}{a}}{\frac{e}{l}} = \frac{Pl}{al}$	capital $E$ is equal to the ratio of capital $P$ divided by $a$ to $e$ divided by $l$ is equal to the ratio of the product of capital $P$ and $l$ to the product of $al$
$\gamma = \frac{c'c}{ac'}$	$\gamma$ is equal to the ratio of the segment $c$ prime $c$ to the segment $ac$ prime
$\frac{dz}{dx}$	$dz$ over $dx$ ; the first derivative of $z$ with respect to $x$
$\frac{d^2y}{dx^2}$	the second derivative of $y$ with respect to $x$ square; $d$ two $y$ over $d$ $x$ square
$\frac{d^n y}{dx^n}, D^n x^y$	the $n$ -th derivative of $y$ with respect to $x$
$\int_n^m$	the integral from $n$ to $m$ ; the integral between the limits $n$ and $m$
$\frac{d}{dx} \int_{x_0}^x X dx$	$d$ over $dx$ of the integral from $x$ nought to $x$ of capital $X$ $dx$
$\int \frac{dy}{\sqrt{c^2 - y^2}}$	the integral of $dy$ divided by the square root out of $c$ square minus $y$ square
$\log_2 x = 2$	the logarithm of $x$ to the base two equals two
$H[D]$	set of functions holomorphic in $D$ (function spaces)
$\ f\ $	norm of $f$ (function spaces)
$y = f(x)$	$y$ is the value of the function corresponding to $x$ ; $y$ is a function of $x$ ; $y$ equals $f$ of $x$
$f^{-1}$	the inverse function of the function $f$
$ v $	the norm of $v$ (vectors)
$v^2$	the norm square of $v$ (vectors)
$u = v$	$u$ is defined as $v$ (vectors)
$u \text{ dot } v$	the vector dot product of $u$ and $v$ (vectors)
$u \text{ cross } v$	means the vector cross product of $u$ and $v$ (vectors)

$v/r$	means the scalar vector quotient of $v$ and $r$ (vectors)
$rv$	means the scalar vector product of $r$ and $v$ (vectors)
$d(S1, S2)$	distance between the sets $S1$ and $S2$ (curves, domains, regions)
$x(z1, z2)$	chordal distance of $z1$ and $z2$ (curves, domains, regions)
$x(z1, z2)$	Euclidean distance of $z1$ and $z2$ (curves, domains, regions)
$C$ is a "scroc"	$C$ is a simple closed rectifiable oriented curve
$b = I(a + bi)$	$b$ is the imaginary part of $a$ plus $bi$ (complex variables)
$a = R(a + bi)$	$a$ is the real part of $a$ plus $bi$ (complex variables)
$F = C_{\mu} \text{ HIL} \sin \theta$	capital $F$ equals capital $C$ sub (suffix) $\mu$ HIL sine theta
$P_{cr} = \frac{\pi^2 El}{4l^2}$	capital $P$ sub (suffix) $cr$ (critical) equals pi square capital $E$ by $l$ all over four $l$ square
$f: A \rightarrow B$	$f$ is a function under which each element of set $A$ has an image in set $B$
$Int(S)$	the interior of $S$ (set theory)
$C(S)$	the complement of $S$
$S'$	the derived set of a given set $S$
$\bar{S}$	closure of the set $S$
$C \cup D$	the union of sets $C$ and $D$ ; $C$ unions $D$ ; $C$ cup $D$
$C \cap D$	the intersection of sets $C$ and $D$ ; $C$ intersects $D$ ; $C$ cap $D$
$a \in A$	small $a$ is an element of the set capital $A$ ; $a$ belongs to $A$
$A \subset B$	$A$ is a proper subset of $B$
$A \not\subset B$	$A$ is not a subset of $B$
$B \supset A$	$B$ is a proper superset of $A$
$A \subseteq B$	$A$ is a subset of $B$ ; $A$ is included in $B$
$B \supseteq A$	$B$ is a superset of $A$ ; $B$ includes $A$
$M = \{2, 4, 6\}$	$M$ is the set with the elements 2, 4, 6
$M = \emptyset$	$M$ is an empty set; $M$ is a null set
$P(A)$	probability of the event $A$

$P(A \mid B)$	probability of the event $A$ conditional on the event $B$
$\lim_{x \rightarrow x_1} f(x) = L$	$f$ of $x$ approaches the limit $L$ as $x$ tends to the value $x$ first in any way
$V - u\sqrt{\sin^2 i - \cos^2 i} = u$	$V$ equals $u$ the square root of sine square $I$ minus cosine square $I$ equals $u$
$K = \max_{j=1,2,\dots,n} \sum_{i=1}^n  a_{ij}(t)  (t \in [a,b]);$	$K$ is equal to the maximum over $j$ of the sum from $I$ equals one to $I$ equals $n$ of the modulus of $a$ sub $ij$ of $t$ , where $t$ lies in the closed interval $ab$ and where $j$ runs from one to $n$
$u = \int f_1(x) dx + \int f_2(y) dy$	$u$ is equal to the integral of $f$ sub one of $x$ multiplied by $dx$ plus the integral of $f$ sub two of $y$ multiplied by $dy$
$(D-r_1)[(D-r_2)y] = (D-r_2)[(D-r_1)y]$	open round brackets capital $D$ minus $r$ first close the round brackets open square and round brackets capital $D$ minus $r$ second close round brackets by $y$ close square brackets equals open round brackets capital $D$ minus $r$ second close round brackets open square and round brackets capital $D$ minus $r$ first close round brackets by $y$ close square brackets
$\left[(x+a)^p - \sqrt[r]{x}\right]^q - s = 0$	$x$ plus $a$ in round brackets to the power of $p$ minus the $r$ -th root of $x$ (all in square brackets) to the minus $q$ -th power minus $s$ equals nothing (zero)
$M = R_1x - P_1(x-a_1) - P_2(x-a_2)$	capital $M$ is equal to capital $R$ sub one multiplied by $x$ minus capital $P$ sub one round brackets opened $x$ minus $a$ sub one brackets closed minus capital $P$ sub two round brackets opened $x$ minus $a$ sub two brackets closed
$a_v = \frac{m\omega\omega^2\alpha^2}{\left[rp^2m^2 + R_2\left(R_1 + \frac{\omega^2\alpha^2}{rp}\right)\right]}$	$a$ sub $v$ is equal to $m$ omega, omega square alpha square divided by square brackets $rp$ square $m$ square plus capital $R$ second round brackets opened capital $R$ first plus omega square alpha square divided by $rp$ round and square brackets closed
$D'_{n-1}(x) = \prod_{s=0}^n (1-x_s^2)^{\varepsilon-1}$	$D$ sub $n$ minus one prime of $x$ is equal to the product from $s$ equal to zero to $n$ of, parenthesis, one minus $x$ sub $s$



$$K(t, x) = \frac{1}{2\pi i} \int_{\left|\omega - \frac{1}{2}\right| = \rho} \frac{K(t, z)}{\omega - \omega(x)} d\omega$$

squared, close parenthesis, to the power of epsilon minus one

$K$  of  $t$  and  $x$  is equal to one over two pi  $i$ , times the integral of  $K$  of  $t$  and  $z$ , over omega minus omega of  $x$ , with respect to omega along curve of the modulus of omega minus one half, is equal to rho