

Mathematical operators

Arithmetic

Integers

0	zero	10	ten	20	twenty
1	one	11	eleven	30	thirty
2	two	12	twelve	40	forty
3	three	13	thirteen	50	fifty
4	four	14	fourteen	60	sixty
5	five	15	fifteen	70	seventy
6	six	16	sixteen	80	eighty
7	seven	17	seventeen	90	ninety
8	eight	18	eighteen	100	one hundred
9	nine	19	nineteen	1000	one thousand

-245	minus two hundred and forty-five
22 731	twenty-two thousand seven hundred and thirty-one
1 000 000	one million
56 000 000	fifty-six million
1 000 000 000	one billion [US usage, now universal]
7 000 000 000	seven billion [US usage, now universal]
1 000 000 000 000	one trillion [US usage, now universal]
3 000 000 000 000	three trillion [US usage, now universal]

Basic arithmetic operations

Addition:	$3 + 5 = 8$	three plus five equals [= is equal to] eight
Subtraction:	$3 - 5 = -2$	three minus five equals [= ...] minus two
Multiplication:	$3 \cdot 5 = 15$	three times five equals [= ...] fifteen
Division:	$3/5 = 0.6$	three divided by five equals [= ...] zero point six

$(2 - 3) \cdot 6 + 1 = -5$	two minus three in brackets times six plus one equals minus five
$\frac{1-3}{2+4} = -1/3$	one minus three over two plus four equals minus one third
$4! [= 1 \cdot 2 \cdot 3 \cdot 4]$	four factorial

-0.067	minus nought point zero six seven
81.59	eighty-one point five nine
$-2.3 \cdot 10^6$	minus two point three times ten to the six
$[= -2\,300\,000]$	minus two million three hundred thousand]
$4 \cdot 10^{-3}$	four times ten to the minus three
$[= 0.004 = 4/1000]$	four thousandths]
$\pi [= 3.14159\dots]$	pi [pronounced as 'pie']
$e [= 2.71828\dots]$	e [base of the natural logarithm]

Fractions [= Rational Numbers]

$\frac{1}{2}$	one half	$\frac{3}{8}$	three eighths
$\frac{1}{3}$	one third	$\frac{26}{9}$	twenty-six ninths
$\frac{1}{4}$	one quarter [= one fourth]	$-\frac{5}{34}$	minus five thirty-fourths
$\frac{1}{5}$	one fifth	$2\frac{3}{7}$	two and three sevenths
$-\frac{1}{17}$	minus one seventeenth		

Exponentiation, Roots

5^2	[= $5 \cdot 5 = 25$]	five squared
5^3	[= $5 \cdot 5 \cdot 5 = 125$]	five cubed
5^4	[= $5 \cdot 5 \cdot 5 \cdot 5 = 625$]	five to the (power of) four
5^{-1}	[= $1/5 = 0.2$]	five to the minus one
5^{-2}	[= $1/5^2 = 0.04$]	five to the minus two
$\sqrt{3}$	[= 1.73205...]	the square root of three
$\sqrt[3]{64}$	[= 4]	the cube root of sixty four
$\sqrt[5]{32}$	[= 2]	the fifth root of thirty two

gcd [= greatest common divisor] pgcd [= plus grand commun diviseur]

lcm [= least common multiple] ppcm [= plus petit commun multiple]

infinity l'infini

even number nombre pair

odd number nombre impair

pair couple

pairwise deux à deux

power puissance

root racine

sum somme

Parabola parabole

Plane plan

Side côté

Slope pente

Vertex sommet

Midpoint of milieu de

Concept notion