

Mathematical Operators: image full text description

Operator	Operation
$x + y$	Addition of x and y
$x - y$	Subtraction of y from x
$x * y$	Multiplication of x and y
x / y	True division of x by y . The result is always a floating point number
$x // y$	Floor division of x by y (explained below)
$x \% y$	Modulo. The result of this operation is the remainder when x is divided by y
$-x$	The negative of x
$x ** y$	Has the value of x raised to the power of y — i.e. x^y

Image description

A two-column table summarising the most common mathematical operators used in Python. The first column is the operator and the second column is the operation. The contents of the table are as follows:

- In row 1, Operator is $x + y$. Operation is the addition of x and y .
- In row 2, Operator is $x - y$. Operation is subtraction of y from x .
- In row 3, Operator is $x * y$. Operation is multiplication of x and y .
- In row 4, Operator is x / y . Operation is the true division of x by y . The result is always a floating point number.
- In row 5, Operator is $x // y$. Operation is the floor division of x by y (explained later in the main text).
- In row 6, Operator is $x \% y$. Operation is Modulo. The result of this operation is the remainder when x is divided by y .
- In row 7, Operator is $-x$. Operation is the negative of x .
- In row 8, Operator is $x ** y$. Operation has the value of x raised to the power of y – that is x^y