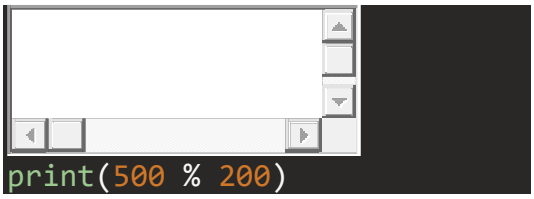
List of numeric operations available in Python, with an example of each.

In Python, all numeric types support the following operations. These are sorted by ascending priority.

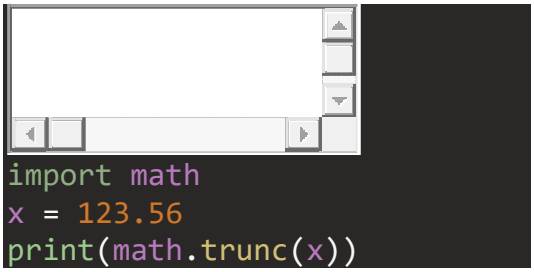
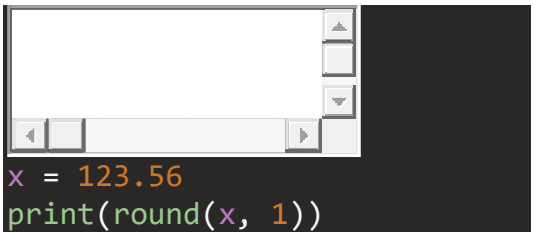
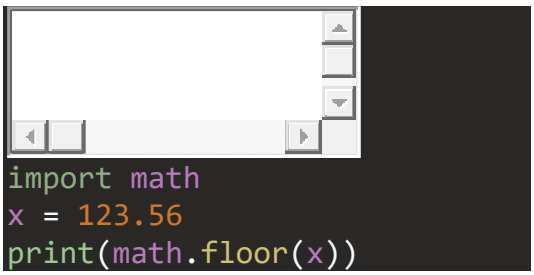
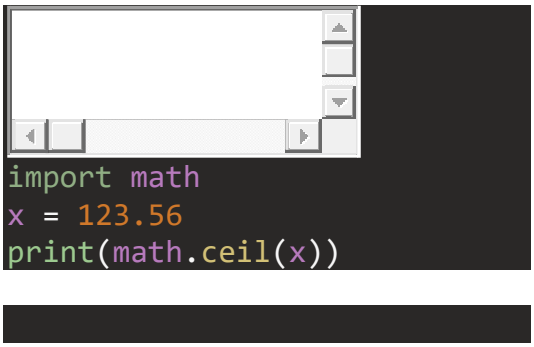
Operation	Result	Example
`x + y`	Sum of *x* and *y*	
`x - y`	Difference of *x* and *y*	
`x * y`	Product of *x* and *y*	
`x / y`	Quotient of *x* and *y*	

`x // y`	Floored quotient of *x* and *y*	
`x % y`	Remainder of `x / y` `5 % 3 = 2` 7%3 = 1 100%15 =	
`-x`	*x* negated	
`+x`	*x* unchanged	
`abs(x)`	Absolute value or magnitude of *x*	
`int(x)`	*x* converted to integer type casting changing the data type to another	
`float(x)`	*x* converted to float	

`divmod(x, y)`	The pair `(x // y, x % y)`	
`pow(x, y)`	*x* to the power *y*	
`x ** y`	*x* to the power *y*	

Further Operations for Integers & Floats

Floats and integers also include the following operations.

Operation	Result	Example
`math.trunc(x)`	*x* truncated to `Integral`	
`round(x[, n])`	*x* rounded to *n* digits, rounding half to even. If *n* is omitted, it defaults to `0`.	
`math.floor(x)`	The greatest Integral <= *x*.	
`math.ceil(x)`	The greatest Integral >= *x*.	

```
import math
x = 123.56
print(math.trunc(x))
```

```
x = 123.56
print(round(x, 1))
```

```
import math
x = 123.56
print(math.floor(x))
```

```
import math
x = 123.56
print(math.ceil(x))
```