

## 2.3 Mathematical Operations

### Python Operators

Operator	Description
+	Addition
-	Subtraction
*	Multiplication
/	Division
//	Floor Division
%	Modulus
**	Exponentiation

### Order of Operations in Python

In Python, the order in which calculations are done is important. The order is often remembered by the acronym **PEMDAS**, which stands for:

**Parentheses:** Anything inside parentheses is calculated first.

**Exponents:** Next, any exponentiation (**\*\***) is done.

**MD:** Multiplication (**\***) and Division (**/**, **//**) are done from left to right.

**AS:** Lastly, Addition (**+**) and Subtraction (**-**) are done from left to right.

For example, in the expression `2 + 3 * 4`, multiplication happens first, making it `2 + 12`, and then addition makes it `14`.