Exploring arithmetic and logical operators interactively in the Python interpreter is a fantastic way to understand their behavior! Open the Python shell by typing `python` (or `python3`) in your terminal and try running these experiments:

```
### Arithmetic Operators:
") python
>>> 10 + 5 # Addition
15
>>> 10 - 5 # Subtraction
5
>>> 10 * 5 # Multiplication
50
>>> 10 / 3 # Division (returns a float)
3.33333333333333
>>> 10 // 3 # Floor division (returns an integer)
3
>>> 10 % 3 # Modulus (remainder after division)
1
>>> 2 ** 3 # Exponentiation (2 raised to the power of 3)
8
```

```
### Logical Operators:
```python
>>> True and False # AND operation
False
>>> True or False # OR operation
True
>>> not True # NOT operation
False
>>> (5 > 3) and (10 > 5) # Both conditions are True
True
>>> (5 > 10) or (10 > 5) # At least one condition is True
True
>>> not (5 > 10) # Negates the False condition
True
•••
```