Experiment One: Thinking About Another Math Operator

Experimentation is your superpower!

Let's experiment to learn a little bit more about math in Python. Complete the seven tasks below to think/learn another operator in Python.

First, let's review…

Use your notes in your composition book to answer the questions that follow.

1. What is "output"?

2. What is an "operator"?

3. What are the basic math operators in Python?

Next, let's experiment.

Navigate to http://repl.it/languages/python3 and follow the instructions below.

4. Type the Python instruction `print(24/2)` and press "Run". Remember that you must precisely type/copy the instruction for the computer to avoid errors! What did the computer output as a result of successfully following the instruction that you typed?

Let's try another operator!

5. Type the Python instruction `print(24//2)` and press "Run". What did the computer output as a result of following the instruction that you typed?

6. Type the Python instruction `print(13/3)` and press "Run". What did the computer output as a result of following the instruction that you typed?

7. Type the Python instruction `print(13//3)` and press "Run". What did the computer output as a result of following the instruction that you typed?

Sometimes things are easier to see in a chart.

8. Use your answers from #1-3 to fill in blanks in the chart below

Python math problem	Python Answer
24/2	12.0
24//2	

Python math problem	Python answer
13/3	
13//3	4

A <u>conjecture</u> is an intelligent guess.

9. Use the chart in #4 to make a conjecture; fill in the blank: "In know the slash operator (/) divides and I think the double slash operator in Python (//) works like this _____.

When learning something new, it's important to reflect on this experience.

10. What is one thing that you learned in completing the work in this assignment?

11. What are you still wondering or are still confused about?