Cool Calculations

Type these calculations into Python IDLE (Interactive mode window) and write down the answers that Python returns:

a) **>>> print(7 * 9)**   Answer: _____

b) **>>> print(63.74 – 21.16)**   Answer: _____

c) **>>> print(87 / 6)**   Answer: _____

d) **>>> print(12 * 0.0)**   Answer: _____

e) **>>> print(7 + 4 * 8)**   Answer: _____

Type these calculations into Python IDLE, write down the answers that Python

returns, and see if you can figure out what Python is doing with the numbers:

f) **>>> print(10 // 3)**   Answer: _____

What do you think the // means in Python? What is Python doing with these numbers?

_____

_____

g) **>>> print(5 ** 2)**   Answer: _____

_____

_____

h) **>>> print(15 % 2)**   Answer: _____

i) **>>> print(14 % 2)**   Answer: _____

What do you think the % means in Python? What is Python doing with these numbers?

_____

_____

BIDMAS

What do the letters BIDMAS stand for?

_____

Type this calculation into Python IDLE, and write down the answer that Python returns:

>>> **print(7 + 4 * 8)**   Answer: _____

How can we make Python return an answer of 88 for the calculation above? What extra symbols would we need to include, and where? Write down your answer here:
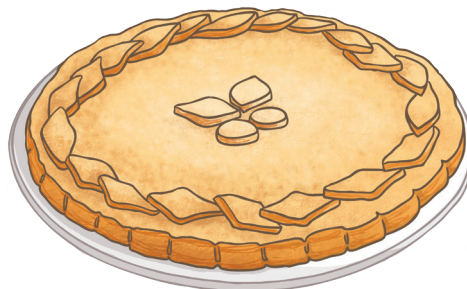
_____

Python Pie

Type the following two lines into Python IDLE

(Interactive mode window):

>>> **import math**

>>> **print(math.pi)**

What output did you see on screen? Answer: _____

Puzzled Python

Type this last calculation into Python IDLE,
and write down the answer that Python returns:

>>> **print(10 / 0)**   Answer: _____

What has gone wrong? Why has Python given this message?

_____

_____