1. Once you have learned the basics of a programming language, how does this affect your ability to learn and use a second programming language?" 1 / 1 point

- ○ You should only code in one language.
- ○ It's difficult to learn and use a second language.
- ○ The syntax and semantics will be the same.
- ◉ It's easier to learn and use a second language.

Correct

2. What is a function? 1 / 1 point

- ○ The task a program is written to accomplish
- ○ The beginning of a program defining who wrote it and why
- ◉ A reusable block of code that performs a specific task
- ○ A document describing a software project

Correct

3. What are some of the benefits of automation? Select all that apply. 1 / 1 point

- ☑ Consistency

Correct

- ☐ Can accomplish creative tasks
- ☑ Doesn't get tired

Correct

- ☐ More cost-effective for complex, seldom-done tasks

4. What is the term for the set of rules for how statements are constructed in a programming language? 1 / 1 point

- ○ Semantics
- ○ Format
- ○ Grammar
- ◉ Syntax

Correct

5. What is a property of Python that makes it easier to understand than some other programming languages? 1 / 1 point

- ○ Python doesn't have a defined syntax.
- ◉ Code is similar to the English language.
- ○ You can use Python code in any other language.
- ○ Basic guidelines can be given and it will write the code.

Correct

6. Which Python function will output text, or other value, to the screen? 1 / 1 point

- ○ echo
- ◉ print()
- ○ output()
- ○ console.out

Correct

7. What should be the output of the expression below? 1 / 1 point

```
print(6*2-5/(1+4)+3**2)
```

- (●) 20.0
- ( ) 0.28
- ( ) 19.36
- ( ) 49.0

Correct

8. Keeping in mind there are 86400 seconds per day, write a program that calculates how many seconds there are in a week, if a week is 7 days. Print the result to the screen. Note: Your result should be in the format of just a number, not a sentence. 1 / 1 point

```
# Enter code here:
num_days = 7
seconds_per_day = 86400
seconds_per_week = num_days * seconds_per_day

print(seconds_per_week)

# Should print 604800
```

Run
Reset

Correct

Correct.

9. Mercury has a diameter of approximately 1,516 miles. Earth has a diameter of approximately 3,959 miles. Use Python to calculate how much larger Earth's diameter is than Mercury's (in miles). Note: Your result should be in the format of a number, not a sentence. 1 / 1 point

```
# Enter code here:
mercury_diameter = 1516
earth_diameter = 3959
difference = earth_diameter - mercury_diameter

print(difference)


# Should print 2443
```

Run
Reset

Correct

Correct.

10. Consider this scenario about using Python to make calculations: 1 / 1 point

In a managed computing environment, there are 200 remote computers that must download 200 MB (megabytes) of updates each month. There are 1024 KB (kilobytes) in each MB.

Fill in the blank in the code below to compute the number of total kilobytes downloaded by these computers from the remote update server each month.

```
download_size_mb = 200
kb_per_mb = 1024
download_size_kb = download_size_mb * kb_per_mb
total_computers = 200
total_kbs = download_size_kb * total_computers

print(total_kbs) # Should print 40960000.0

```

Run
Reset

Correct

Correct.