1. What are the differences between operators and values in the following?

\* operators

'hello' values

-87.8 values

- operators

/ operators

+ operators

6 values

2. What is the difference between string and variable?

Spam variable

'spam' string

A **Variable** is a store of information, and a **String** is a type of information you would store **in a Variable**.

3. Describe three different data forms.

String

Integer

float

4. What makes up an expression? What are the functions of all expressions?

An **expression** is a sentence with a minimum of two numbers and at least one math operation.

5. In this chapter, assignment statements such as spam = 10 were added. What's the difference between a declaration and an expression?

A function declaration defines a function and does not require a variable to be assigned to it. It simply declares a function, and doesn't itself return a value ... On the other hand, a function expression does return a value.

6. After running the following code, what does the variable bacon contain?

bacon = 22

bacon + 1

Ans: 23

7. What should the values of the following two terms be?

'spam' + 'spamspam'

'spam' \* 3

Ans: 'spamspamspam'

8. Why is it that eggs is a true variable name but 100 is not?

Eggs is string and 100 may be string or integer

9. Which of the following three functions may be used to convert a value to an integer, a floating-point number, or a string?

Int()

Float()

String()

10. What is the error caused by this expression? What would you do about it?

'I have eaten ' + 99 + ' burritos.'

**TypeError**