VB PAL, Eighth Edition
Chapter 2
Answers to the Exercise Questions

Exercise 2-1

1.
MyIDNumber	Yes	this_is_a_var	Yes	AMOUNT	Yes
YourIDNumber	Yes	amount	Yes	$amount	No
Integer	No	10amount	No	doubleAmount	Yes
July31	Yes	one amount	No	Amount	Yes

2. Double
   Double
   Double
   String
   Integer

Exercise 2-2

```
1. Dim StudentIdNumber As Integer
   Dim NumInches As Integer
   Dim Temp As Double
   Dim HomeState As String

2. Dim HatSize As Double = 7.5
   Dim DaysInLeapYear As Integer = 366
   Dim MyCatName  As String = "Mindre"
   Dim CellPhone As String = "999-999-9999"
```

Exercise 2-3

```
1. Const PIZZA_PRICE As Double = 14.95
   Const DAYS_IN_SEPTEMBER As Integer = 30
   Const MY_CAT_NAME As String = "Yogi"
   Const NBA_HOOP As Integer = 10
```

Exercise 2-4

1. Answer 1: 117
   Answer 2: 440
   Answer 3: 8
   Answer 4: 8

Answer 5: 105
Answer 6: 3

2. Precedence and associativity affect the order in which the operations are carried out thereby affecting the result.

Exercise 2-5

1. Change the declaration to `Dim Width1 As Double = 19.5`
2. Change the declaration to `Dim NumGallons As Double`
3. Change the order of the two assignment statements as follows:
   ```
   SquareFeet = (Width1 * Height1 + Width2 * Height2) * 2
   NumGallons = SquareFeet / 150
   ```
4. No, both variables are not needed because the height of the walls is the same.
   Make the following changes:

   Delete the second height variable (`Height2`)

   Change the square feet calculation statement to the following:
   ```
   SquareFeet = Width1 * Height1 + Width2 * Height1
   ```