

COMP1022Q Answers to the Mid-Semester Review Questions

Q1)

One answer is **=B5/C5**.

You can also put dollar signs before the column letters, i.e. **=\$B5/\$C5** to ensure the references to the two columns don't change.

Q2)

6 message boxes are shown. The messages shown, in order, are:

```
I have bought some not so expensive candies!  
I have bought some not so expensive candies!  
I have bought some cheap candies!  
I have bought some cheap candies!  
I have bought some cheap candies!  
I have bought some cheap candies!
```

Q3)

= (4 / (2 ^ 2) * 4) + 1 = (4 / 4 * 4) + 1 = 4 + 1 = 5

Q4)

=IF(B3>=95,"S",IF(B3>=85,"A",IF(B3>=65,"B","C")))

– this is a ‘top down’ approach

or

=IF(B3<=64,"C",IF(B3<=84,"B",IF(B3<=94,"A","S")))

– this is a ‘bottom up’ approach

Q5)

```
Dim Row As Integer
```

```
Dim Reference As String
```

```
For Row = 2 To 12
```

```
    If Cells( Row , 6 ).Value = "PG" Then
```

```
        Reference = "D" & Row & ":" & "F" & Row
```

```
        ' Change to the correct formatting of the movie cells
```

```
        Range(Reference).Font.ColorIndex = 3
```

```
        Range(Reference).Font.Bold = True
```

```
    End If
```

```
Next Row
```

Q6)

Part A **=UPPER(RIGHT(LEFT(D\$3, D6), 1))**

The function UPPER can be used in several places.

Part B =VLOOKUP(**E6** , **A\$3:B\$28** , **2**)

Part C **=SUM(F6:F13)**

Q7)

=IF(AND(D3 > (D4 + D5 * 36), D6), TRUE, FALSE)

The above answer will work. However, the IF() is unnecessary, so this answer would be better:

=AND(D3 > (D4 + D5 * 36), D6)

Q8)

4000

It is not 4800 because the variable MagicTrick changes the value 1.2 to 1 when the value is stored in the variable.