

Problems on Count and Sum Function

Countif, Countifs, Count, CountA, and CountBlank Functions

The following questions refer to the file Rock.xlsx.

1. How many songs were not sung by Britney Spears?
2. How many songs were played before June 15, 2004?
3. How many songs were played between June 1, 2004, and July 4, 2006? Hint: Take the difference between two COUNTIF functions.
4. How many songs were sung by singers whose last names begin with M?
5. How many songs were sung by singers whose names contain an e?
6. Create a formula that will always yield the number of songs played today. Hint: Use the TODAY() function.
7. For the cell range D4:G15, count the cells containing a numeric value. Count the number of blank cells. Count the number of nonblank cells.
8. How many songs sung by Barry Manilow were played in 2004?
9. How many songs at least four minutes long and sung by Mandy Moore were played in 2007 or earlier?
10. How many songs exactly three minutes long and sung by Britney Spears were played later than 2004?
11. The file NBA.xlsx contains the following information:
 - ☐ Columns A and B contain the name of each NBA team and a code number for each team. For example, Team 1 is Atlanta.
 - ☐ Column C contains the home team for each game.
 - ☐ Column D contains the visiting team for each game.
 - ☐ Column E contains points scored by the home team.
 - ☐ Column F contains points scored by the visiting team.

From this data, compute the number of games played by each team.

12. The file Matchthesecond.xlsx gives a list of names. Note that some names occur more than once. We want to be able to determine the row in which, for example, the second occurrence of the name "Dave" occurs. Set up a worksheet that allows us to enter a person's name and a positive integer (such as n), and returns the row in which the name occurs for the nth time.

Problems on Count and Sum Function

Sumif, Sumifs, Averageif, Averageifs Functions

1. For each product, determine the total number of units and dollar volume sold.
2. Determine the total revenue earned before December 10, 2005.
3. Determine the total units sold by salespeople whose last names begin with C.
4. Determine the total revenue earned by people who have five letters in their names.
5. How many units were sold by people other than Colleen?
6. How many units of makeup were sold from January 15, 2004, through February 15, 2005?
7. The file NBA.xlsx contains the following information:
 - ☐ Columns A and B list the name of each NBA team and a code number for each team. For example, team 1 is Atlanta, and so on.
 - ☐ Column C lists the home team for each game.
 - ☐ Column D lists the visiting team for each game.
 - ☐ Column E lists points scored by the home team.
 - ☐ Column F lists points scored by the visiting team.

From this data, compute for each team the average number of points the team scored per game and the average number of points the team gave up.

8. The file Toysrus.xlsx contains sales revenue (in millions of dollars) during each quarter for the years 1997–2001 and the first two quarters of 2002. Use this data to compute a *seasonal index* for each quarter of the year. For example, if average sales during the first quarter were 80 percent of the overall average sales per quarter, the first quarter would have a seasonal index of 0.8.
9. How much revenue was made on sales transactions involving at least 50 units of makeup?
10. The file Sumifrows.xlsx contains sales data during several winter, spring, summer, and fall quarters. Determine average sales during the winter, spring, summer, and fall quarters.
11. How many units of lip gloss did Cici sell in 2004?
12. What was the average number of units of foundation sold by Emilee?
13. What was the average dollar size of a foundation sale made by Betsy after the end of 2004?
14. In transactions in which Ashley sold at least 40 units of lipstick, what was the total dollar amount?
15. Create a table that contains sales of each product made by each person.
16. Create a table that, when you enter a year in your worksheet, contains sales of each product by person during that year.