

Candy is Dandy

You have been hired to conduct some market research about M & M's. First, you had your team purchase 4 large bags and the results are given for the contents of those bags. You will share your findings on a worksheet created in Microsoft Excel and convert the numbers into charts.

Open Excel and save the blank worksheet as "Candy is Dandy"

Cell	What you type in the Cell	How to Format
A1	Candy is Dandy	Merge and Center Title across to column F, Bold, and change font to Red
A3	Colors	Centered, Bold, Font Color Blue
B3	Bag 1	Centered, Bold, Font Color Brown
C3	Bag 2	Centered, Bold, Font Color Green
D3	Bag 3	Centered, Bold, Font Color Orange
E3	Bag 4	Centered, Bold, Font Color Red
F3	Average	Centered, Bold, Font Color Pink
A4	Blue	Bold, Font Color Blue
A5	Brown	Bold, Font Color Brown
A6	Green	Bold, Font Color Green
A7	Orange	Bold, Font Color Orange
A8	Red	Bold, Font Color Red
A9	Yellow	Bold, Font Color Yellow
A10	Total	Center, Bold
A11	Minimum	Center, Bold
A12	Maximum	Center, Bold
B4	6	No Formatting
B5	4	No Formatting
B6	3	No Formatting
B7	7	No Formatting
B8	5	No Formatting
B9	4	No Formatting
C4	9	No Formatting

C5	8	No Formatting
C6	2	No Formatting
C7	6	No Formatting
C8	5	No Formatting
C9	4	No Formatting
D4	6	No Formatting
D5	4	No Formatting
D6	8	No Formatting
D7	7	No Formatting
D8	5	No Formatting
D9	3	No Formatting
E4	8	No Formatting
E5	7	No Formatting
E6	5	No Formatting
E7	4	No Formatting
E8	3	No Formatting
E9	5	No Formatting

Create the following formulas

1. Calculate the Average for each color. Format the cells so that a whole number is returned. (no decimal places)
2. Calculate the Total for each bag (B10, C10, D10, E10) – do not calculate average total
3. Calculate the Minimum for each bag (B11, C11, D11, E11) – do not calculate minimum in the average column
4. Calculate the Maximum for each bag (B12, C12, D12, E12) – do not calculate maximum in the average column

Directions on how to find Average, Total, Minimum, and Maximum.

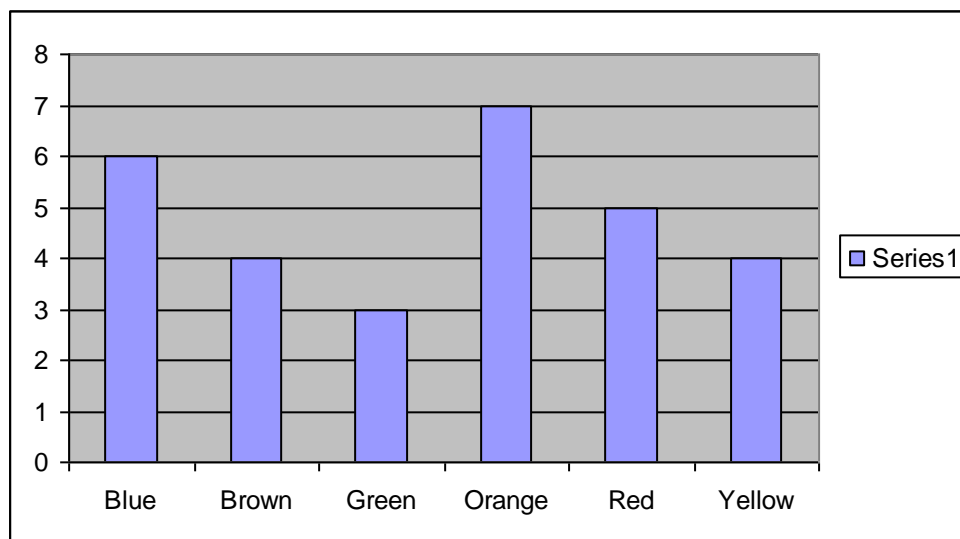
1. Click the arrow next to your “autosum” icon.
2. Select the appropriate command that you wish to perform
3. Adjust the formula in the formula bar as necessary. Be sure that your formula only calculates the number of M&Ms in the bags (Rows 4-9).

Creating graphs

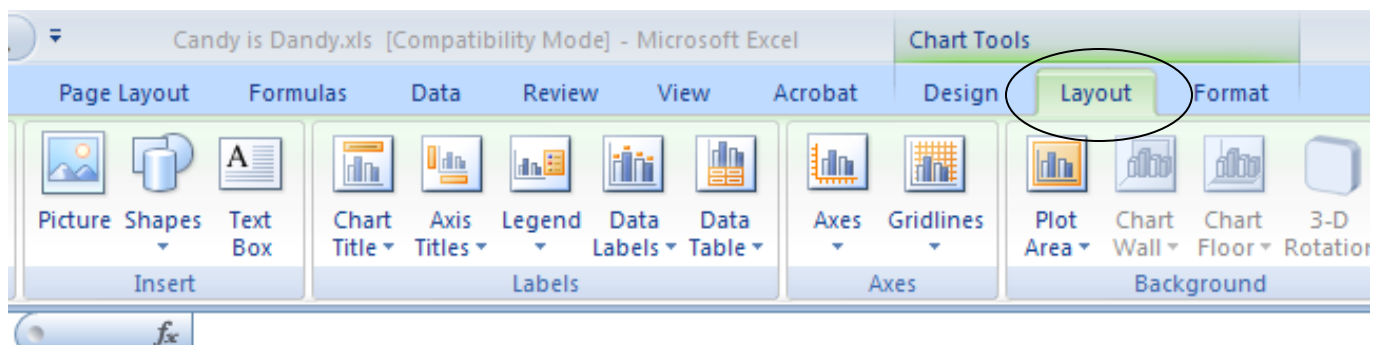
You will now produce different charts and graphs that will display your data in a more visual way.

The first data you will want to display graphically are the color name of the M & Ms that were found in bag 1. You also want to display the actual number that was found in the bag.

1. Select the color name data, place your cursor in cell A4, press the left mouse button, and drag to select all the cells to A9.
2. Hold down the Ctrl key before clicking cell B4, press the left mouse button and drag to select B4 to B9. You should see that both columns are highlighted.
3. Click the **Insert** Tab and click the **Column** Chart arrow. Select the first chart in the 2-D group. Your chart should resemble the image below.



4. With the chart still selected click the **Layout** tab under the Chart Tools Tab.



5. Use the Labels group to change the following information:
 - a. Title: M & M Colors Found in Bag 1
 - b. X-Axis Title: M & M Colors
 - c. Y-Axis Title: Number Found
 - d. Delete the 1 Legend – click on it and hit delete

6. Change the chart location by click the **Design tab** on the **Chart Tools** tab and click **Move Chart** Icon (located all the way to the right)
 - a. Chart Location- click as object in Sheet 1.
7. Click **OK**

Place the chart below your data table

Create the follow charts in addition to the one above:

Create your own titles for each graph

Chart 2: Number of colors found in Bag 2
Place chart on Sheet 1

Chart 3: Number of colors found in Bag 3
Place chart on Sheet 2

Chart 4: Number of colors found in Bag 4
Place chart on Sheet 2

Chart 5: Average compared for each colored M&M
Place chart on Sheet 2

Chart 6: Totals compared for all bags
Place chart on Sheet 3

Chart 7: Minimum compared for all bags
Place chart on Sheet 3

Chart 8: Maximum compared for all bags
Place chart on Sheet 3

Use the Insert tab and place your name in the header