

Activities

Create a spreadsheet to calculate the % ingredients in Nigella Lawson's Chocolate Brownie Recipe.

Represent the data in a Pie Chart.

Chocolate Brownies

375g Butter

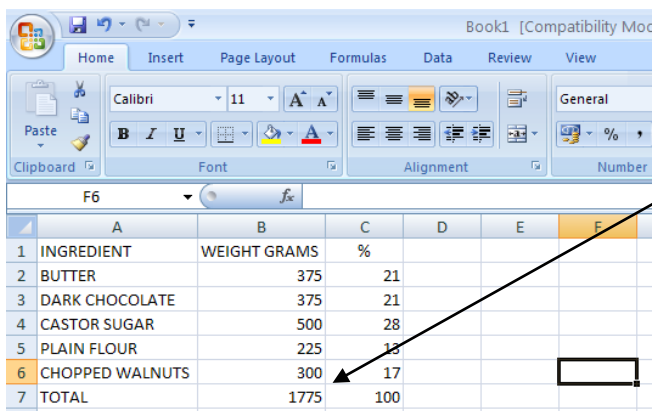
375g Dark Chocolate

500g Caster Sugar

225g Plain Flour

300g Chopped Walnuts

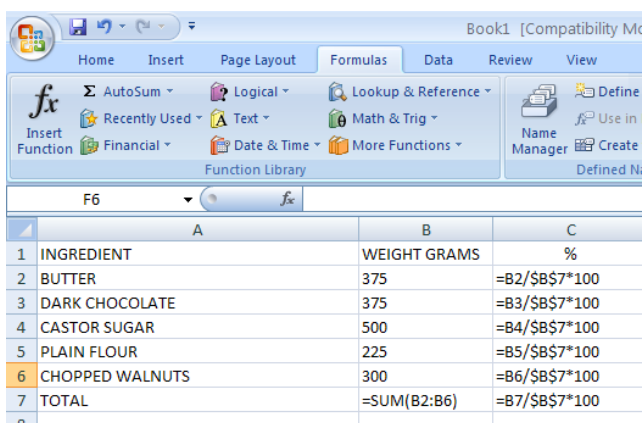
Enter the data into a spreadsheet it will look like this



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F
1	INGREDIENT	WEIGHT GRAMS	%			
2	BUTTER	375	21			
3	DARK CHOCOLATE	375	21			
4	CASTOR SUGAR	500	28			
5	PLAIN FLOUR	225	13			
6	CHOPPED WALNUTS	300	17			
7	TOTAL	1775	100			

To calculate the percentage of ingredient used, you will have to add the ingredients together and use this value for an absolute cell reference for the calculation. Format the answer to zero decimal places ie integer



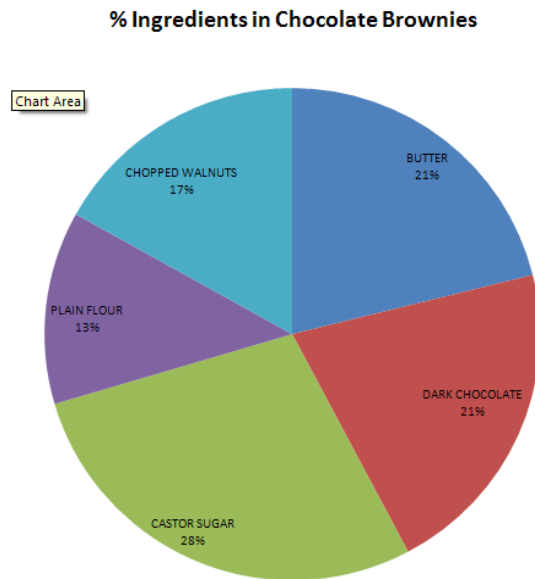
The screenshot shows the same Excel spreadsheet with formulas entered in the percentage column:

	A	B	C
1	INGREDIENT	WEIGHT GRAMS	%
2	BUTTER	375	=B2/\$B\$7*100
3	DARK CHOCOLATE	375	=B3/\$B\$7*100
4	CASTOR SUGAR	500	=B4/\$B\$7*100
5	PLAIN FLOUR	225	=B5/\$B\$7*100
6	CHOPPED WALNUTS	300	=B6/\$B\$7*100
7	TOTAL	=SUM(B2:B6)	=B7/\$B\$7*100

This is the same spreadsheet showing

the formula. Note the use of the absolute cell reference.

Select the data and represent on a pie chart. Label the segments of the chart with the % ingredients. You will have to use the more data label options tab. This is what it will look like.



You decide that you like the brownies so much you want to make double quantity! Enter this into the spreadsheet.