

Percents & Margins Worksheet

Percent Change		Percent Total	Business Margins	
Old Value 90,000.00		Part Value 23,457.00	Price 30.00	
New Value 95,000.00		Total Value 67,584.00	Cost 25.00	
%Chg 5.56%	#PD 1.00	%Total 34.71%	M%P 16.67%	M%C 20.00%

This worksheet combines the Percent Change, Percent Total and Business Margins calculations in a single view.

Percent Change	
$Old = New \cdot (1 + \%Chg / 100)^{\#PD}$	
[Old Value]	Stores or calculates the base number (Old Value).
[New Value]	Stores or calculates the New value.
[%Chg]	Stores or calculates the percentage change.
[#PD]	Stores or calculates the Number of periods to .
Percent Total	
$\%Total = 100 \cdot Part / Total$	
[Part Value]	Stores or calculates the Part value.
[Total Value]	Stores or calculates the Total value.
[%Total]	Stores or calculates the Percent of Total value.
Business Margins	
$M\%P = 100 \cdot (Price - Cost) / Price$; $M\%C = 100 \cdot (Price - Cost) / Cost$	
[Price]	Stores or calculates the Price.
[Cost]	Stores or calculates the Cost.
[M%P]	Stores or calculates the Gross profit margin (Margin over Price).
[M%C]	Stores or calculates the Markup (Margin over Cost).
If any other key is pressed before one of the Blue keys, the displayed number is stored in the corresponding variable. Otherwise, the variable is calculated.	

Example: (Percent Change)

The total sales last year were \$90,000. What is the growth rate needed to reach sales of \$150,000 in 5 years?.

Solution:

Keystrokes	Description
90000 [Old Value]	Stores the Old value. Old = 90,000.00
150000 [New Value]	Stores the New value. New = 150,000.00
5 [#PD]	Stores the number of periods.
[%Chg]	Calculates the growth percent per period. %Chg = 10.76%

Example: (Percent Total)

The total assets of a company are \$67,584 and has an Inventory of \$23,457. What percentage of the total assets is the inventory?.

Solution:

Keystrokes	Description
23457 [Part Value]	Stores the inventory value. Part = 23,457.00
67584 [Total Value]	Stores the total assets value. Total = 67,584.00
[%Total]	Calculates the percent of total. %Tot = 34.71

Example: (Business Margins)

The cost of an item is \$9.60, with a 15% of mark-up on cost calculate the sale price and the gross profit margin.

Solution:

Keystrokes	Description
9.6 [Cost]	Stores the Cost of the item. Cost = 9.60
15 [M%C]	Stores the Mark-Up on cost. M%C = 15.00%
[Price]	Calculates the Price of the item. Price = 11.04
[M%P]	Calculates the Mark-Up on price. M%P = 13.04%