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
Percent Change Old = New • (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 per period.
[#PD]	Stores or calculates the Number of periods from 'Old' to 'New'.
Percent Total %Total = 100 • 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 • (Price - Cost) / Price ; M%C = 100 • (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%**