# Break Even Point

## Meaning:

Break-even analysis is a specific method of presenting and studying the inner relationship between costs, volume and profits. (hence, the name c-v-p analysis). It is an important tool of financial analysis whereby the impact on profit of the changes in volume, price, costs and mix can be found out with a certain amount of accuracy. A business is said to break even when its total sales are equal to its total costs. It is a point of no profit or no loss. At this point contribution is equal to fixed costs.

## Break-even point, can be calculated thus:

OR

Selling Price/Unit – Marginal Cost/Unit

### Fixed Cost

## Margin of Safety

Total sales minus the sales at break-even point is known as the margin of safety. Lower break-even point means a higher margin of safety. Margin of safety can also be expressed as a percentage of total sales.

#### The formula is:

Margin Of Safety = Total Sales — Sales At B.E.P.

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Profit

or = -----

P/V Ratio

Margin Of Safety

Margin Of Safety = ------ X 100

(As A Percentage) Total Sales
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