In the linear **Cost-Volume-Profit** Analysis model, the break-even point (in terms of Unit Sales (X)) can be directly computed in terms of **Total Revenue** (TR) and **Total Costs** (TC) as:

$$\mathsf{TR} \qquad = \mathsf{TC} \tag{1}$$

$$P \times X = TFC + V \times X \tag{2}$$

$$P \times X - V \times X = TFC \tag{3}$$

$$(P - V) \times X = TFC$$
 (4)

$$X = \frac{TFC}{P-V}$$
 (5)

where: TFC is Total Fixed Costs, P is Unit Sale Price, and V is Unit Variable Cost.

The Break-Even Point can alternatively be computed as the point where Contribution equals Fixed Costs. The quantity, (P-V), is of interest in its own right, and is called the Unit Contribution Margin (C): it is the marginal profit per unit, or alternatively the portion of each sale that contributes to Fixed Costs.