

Forecasting for Success in Entrepreneurship: Break-Even Analysis

Definition of Variables and Formulas:

Fixed expense: the costs of running your business that do not change with sales volume.

Variable expense: additional cost per piece produced, person served or item sold.

Price: The amount the customer pays per item or service.

Units: The number of items or services sold during the given time period.

Unit Contribution Margin = Price – Variable Expense

Break Even Units = $\frac{\text{Fixed Expense}}{\text{Unit Contribution Margin}}$

Triton Pizza Shack Scenario:

Triton Pizza Shack wants to know how many pizzas it needs to sell, at what price, and what variable cost, to break even.

Fixed expenses for month: \$10,000

Includes building rental, salaries, insurance, utilities, advertising, administration.

Variable expenses per pizza: \$?

Includes ingredients, box, napkins, and additional utilities.

Average sale price per pizza: \$?

Units sold per month: ?

