Data Analytics with DAX Measures

Section 4

Translating Report Requirements into DAX Measures

Report Requirements

Data and Visualizations:
- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Order Details Table:
- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:
- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Report Requirements

Data and Visualizations:
- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Order Details Table:
- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:
- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Report Requirements

Data and Visualizations:
- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Net Calculations

Order Details Table:
- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:
- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Data and Visualizations:
- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Order Details Table:
- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:
- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Net Calculations

Report Requirements

Data and Visualizations:
- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Order Details Table:
- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:
- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Net Calculations

A

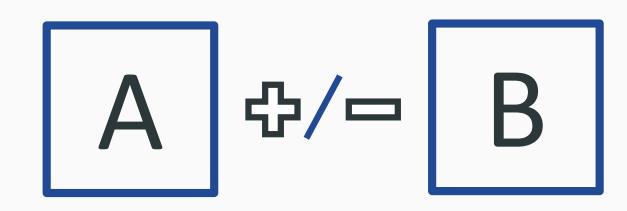# Report Requirements

Data and Visualizations:
- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Order Details Table:
- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:
- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Net Calculations

$$A \; +/= \; B$$

Report Requirements
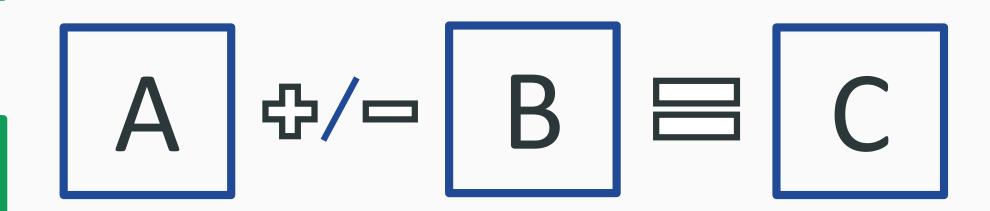
Data and Visualizations:
- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Order Details Table:
- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:
- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Net Calculations

$$A \;+\!/\!-\; B = C$$

Report Requirements

Data and Visualizations:
- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Order Details Table:
- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:
- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Basic Calculations

Data and Visualizations:
- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Order Details Table:
- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:
- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Basic Calculations

Data and Visualizations:
- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Order Details Table:
- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:
- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Basic Calculations

SUM

AVERAGE

COUNT

MINIMUM

MAXIMUM

FIRST

LAST

Data and Visualizations:
- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Order Details Table:
- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:
- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Report Requirements

Data and Visualizations:

- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Order Details Table:

- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:

- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Time Intelligence

Report Requirements

Data and Visualizations:
- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Order Details Table:
- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:
- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Time Intelligence

MTD

QTD

YTD

Year Over Y

Rolling Avera

Trends Over

Report Requirements

Data and Visualizations:
- Net Profit and Net Quantity Breakdowns
- Year-Over-Year Net Profit Comparison by Month
- Net Profit Running Historical Running Total
- Year-Over-Year Net Profit by Product Brand

Order Details Table:
- Geography Information
- Net Profit
- Net Quantity
- Order Count
- Average Order Amount
- Year-Over-Year Net Profits
- Year-Over-Year Net Profits %

Report Filters:
- Year Filter
- Channel Filter
- Geography and Store Filters
- Product Filters

Time Intelligence

Report View Walkthrough

Next Video