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## CATEGORY 6: TIME INTELLIGENCE (2 Functions)

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### 4 9 SAMEPERIODLASTYEAR() - GET SAME PERIOD LAST YEAR

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#### SYNTAX:

SAMEPERIODLASTYEAR(<dates>)

#### PARAMETERS:

- <dates>: Date column from Date Table

#### EXAMPLE FROM YOUR DATASET:

##### Sales from Last Year (Calculated Measure):

Sales Last Year = CALCULATE(SUM(SalesData[FinalAmount]),  
SAMEPERIODLASTYEAR(DateTable[Date]))

Result: December 2024 sales (₹2,500,000)

##### Year-over-Year Comparison (Calculated Measure):

YoY Growth =  
CALCULATE(SUM(SalesData[FinalAmount])) -  
CALCULATE(SUM(SalesData[FinalAmount]),  
SAMEPERIODLASTYEAR(DateTable[Date]))

Result: Growth vs last year (₹500,000 growth)

##### YoY Growth %:

YoY Growth % =  
(CALCULATE(SUM(SalesData[FinalAmount])) -  
CALCULATE(SUM(SalesData[FinalAmount]),  
SAMEPERIODLASTYEAR(DateTable[Date]))) /  
CALCULATE(SUM(SalesData[FinalAmount]),  
SAMEPERIODLASTYEAR(DateTable[Date]))

Result: 25% growth year-over-year

#### REAL USAGE:

- Year-over-year comparison
- Growth analysis
- Historical tracking
- REQUIRES DATE TABLE!

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### 5 0 PARALLELPERIOD() - GET PARALLEL PERIOD

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#### SYNTAX:

PARALLELPERIOD(<dates>, <number>, <interval>)

#### PARAMETERS:

- <dates>: Date column from Date Table
- <number>: Periods to offset
- <interval>: Unit (DAY, MONTH, QUARTER, YEAR)

#### EXAMPLE FROM YOUR DATASET:

##### Previous Quarter Sales (Calculated Measure):

Previous Quarter Sales = CALCULATE(SUM(SalesData[FinalAmount]),  
PARALLELPERIOD(DateTable[Date], -1, QUARTER))

Result: Q3 2025 sales (when currently viewing Q4 2025)

Previous Month Sales (Calculated Measure):

Previous Month Sales = CALCULATE(SUM(SalesData[FinalAmount]),  
PARALLELPERIOD(DateTable[Date], -1, MONTH))

Result: November 2025 sales (when currently viewing December 2025)

Month-over-Month Growth:

MoM Growth =  
CALCULATE(SUM(SalesData[FinalAmount])) -  
CALCULATE(SUM(SalesData[FinalAmount]),  
PARALLELPERIOD(DateTable[Date], -1, MONTH))

Result: Growth vs previous month

REAL USAGE:

- Quarter-over-quarter comparison
- Month-over-month analysis
- Period-to-period tracking
- REQUIRES DATE TABLE!