

Power BI - lesson 13

Basic Level (1–5)

1 Total Sales (All Time)

Total Sales = SUM(Sales[SalesAmount])

2 Total Sales Current Year

Total Sales CY = CALCULATE([Total Sales], YEAR(Sales[Date]) = YEAR(TODAY()))

3 Total Sales Last Year

Total Sales LY = CALCULATE([Total Sales], SAMEPERIODLASTYEAR(DateTable[Date]))

4 Total Sales Current Month

Total Sales CM = CALCULATE([Total Sales], DATESMTD(DateTable[Date]))

5 Total Sales Current Quarter

Total Sales CQ = CALCULATE([Total Sales], DATESQTD(DateTable[Date]))

Intermediate (6–10)

6 YoY Growth %

Sales YoY % =
DIVIDE([Total Sales] - [Total Sales LY], [Total Sales LY], 0)

7 Sales Last Month

Sales Last Month = CALCULATE([Total Sales], PREVIOUSMONTH(DateTable[Date]))

8 Running Total (YTD)

Sales Running Total = CALCULATE([Total Sales], DATESYTD(DateTable[Date]))

9 Sales Last 3 Months

Sales Last 3M =
CALCULATE([Total Sales], DATESINPERIOD(DateTable[Date], MAX(DateTable[Date]), -3, MONTH))

10 Month with Highest Sales (last 12 months)

Max Sales Month =
CALCULATE(
 MAXX(
 VALUES(DateTable[Month]),
 [Total Sales]
),
 DATESINPERIOD(DateTable[Date], MAX(DateTable[Date]), -12, MONTH)
)

Advanced (11–15)

1 1 Q1 Sales by Year

```
Q1 Sales =  
CALCULATE(  
    [Total Sales],  
    FILTER(DateTable, DateTable[Quarter] = "Q1")  
)
```

1 2 YoY Difference for December

```
December YoY Diff =  
VAR ThisDec = CALCULATE([Total Sales], MONTH(DateTable[Date]) = 12)  
VAR LastDec = CALCULATE([Total Sales], SAMEPERIODLASTYEAR(DateTable  
[Date]), MONTH(DateTable[Date]) = 12)  
RETURN ThisDec - LastDec
```

1 3 Last 12 Months Sales

```
Sales L12M =  
CALCULATE([Total Sales], DATESINPERIOD(DateTable[Date], MAX(DateTable  
[Date]), -12, MONTH))
```

1 4 Current vs Previous Quarter Diff

```
Quarter Sales Diff =  
[Total Sales CQ] -  
CALCULATE([Total Sales], PREVIOUSQUARTER(DateTable[Date]))
```

1 5 Months Where Sales > 110% of Last Year

```
Sales Growth Flag =  
VAR ThisMonth = [Total Sales]  
VAR LastYearMonth = CALCULATE([Total Sales], SAMEPERIODLASTYEAR(DateTable[Date]))  
RETURN IF(ThisMonth > 1.1 * LastYearMonth, 1, 0)
```