

Lesson 9:

1. What is row context?

Answer: Row context in Dax means that calculations are performed row by row

Totalprice= sales[quantity]*sales[unitprice]

Each row knows its own values , so you can multiply or use values from the same row directly.

2. Write a measure that finds total sales:

We need to sum up all sales amounts

We already created a column called total price:

Now, we create a measure to sum that column

Total sales=sum(sales[total price])

3. Use related to fetch the name from the customers table into sales table:

Related is used to bring a column from related table: you can use it only in a calculated column , not in a measure . it works when there is a relationship between the two tables:

4. What does this Dax Expression return ?

Calculate (sum(sales[quantity]), sales[category]= " Electronics")

This DAX formula does two things:

It wants to sum the quantity column:

5. Explain the difference between VAR and Return in DAX:

Var: used to store a value or expression into variable, it makes your code cleaner , reusable, and more efficient

Var total= sum(sales[quantity])

Return:

Used to return the final result of the calculation, without return , the var value would just sit there and not be used

Return total*2

6. Create a calculated column in sales called Total price using row context (Quantity *unitprice)

Since we are multiplying two columns from the same row, we are using row context

Total price= sales[quantity]*sales[unit price]

7. Write a measure Electronics sales using calculate to sum sales only for the "electronics"

8. Use all(sales(category)) in a measure to show total sales ignoring category filters.

All removes the filter from the specified column. Here we remove filters from category , so the measure always returns total sales , no matter what category is selected in visuals

9. What is the filter context ? how is it different from row context ?

Filter: comes from filters applied in visuals , slicers, pages, or manually via calculate:

10. Write a measure to calculate the average sales per transaction using the total price:

We want the average amount per row from the total price column: