

Lab 05- Use Parameter Table To Display Amount In Selected Units

The estimated time to complete the lab is 30 minutes

In this lab you will learn to display Sales Amount in any of following units,as per user selection.

- Real Value
- Thousands
- Millions
- Billions

Steps

1. To open the Power BI Desktop, on the taskbar, click the Microsoft Power BI Desktop shortcut.

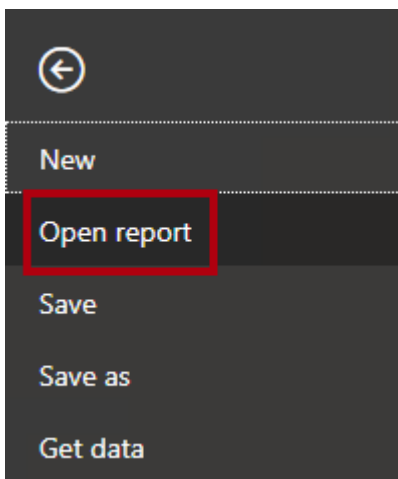


2. To close the getting started window, at the top-left of the window, click **X**.

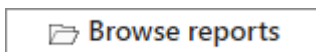


3. To open the starter Power BI Desktop file, click the **File** ribbon tab to open the backstage view.

4. Select **Open Report**.



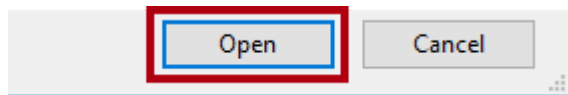
5. Click **Browse Reports**.



6. In the **Open** window, Navigate to **C:\PowerBI.Webinar\Labs\05.Using-Parameter-Table-To-Display-In-Specified-Units\Starter** folder.

7. Select **Sales Analysis.pbix** file.

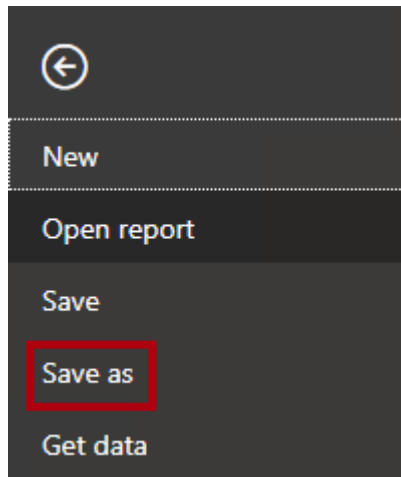
8. Click **Open**.



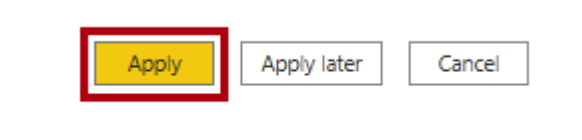
9. Close any informational windows that may open.

10. To create a copy of the file, click the **File** ribbon tab to open the backstage view.

11. Select **Save As**.

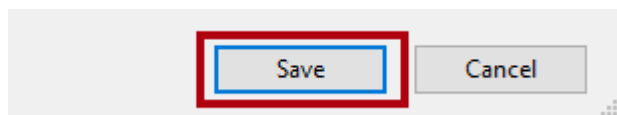


12. If prompted to apply changes, click **Apply**.



13. In the **Save As** window, navigate to the **C:\PowerBI.Webinar\Labs\05.Using-Parameter-Table-To-Display-In-Specified-Units\MySolution** folder, and save the file as **Sales Analysis.pbix**.

14. Click **Save**..



Importing The Data

1. Click on Get Data | Text/CSV Select **Scale.csv** from the folder **C:\PowerBI\Resources**, and it will display the screen as follows

Scale.csv

File Origin: 1252: Western European (Windows) | Delimiter: Comma | Data Type Detection: Based on first 200 rows

ShowValueAs	DivideBy
Real Value	1
Thousands	1000
Millions	1000000
Billions	1000000000

Extract Table Using Examples | Load | Transform Data | Cancel

2. Click on Load button, and it will create a Scale table and it will display the screen as follows

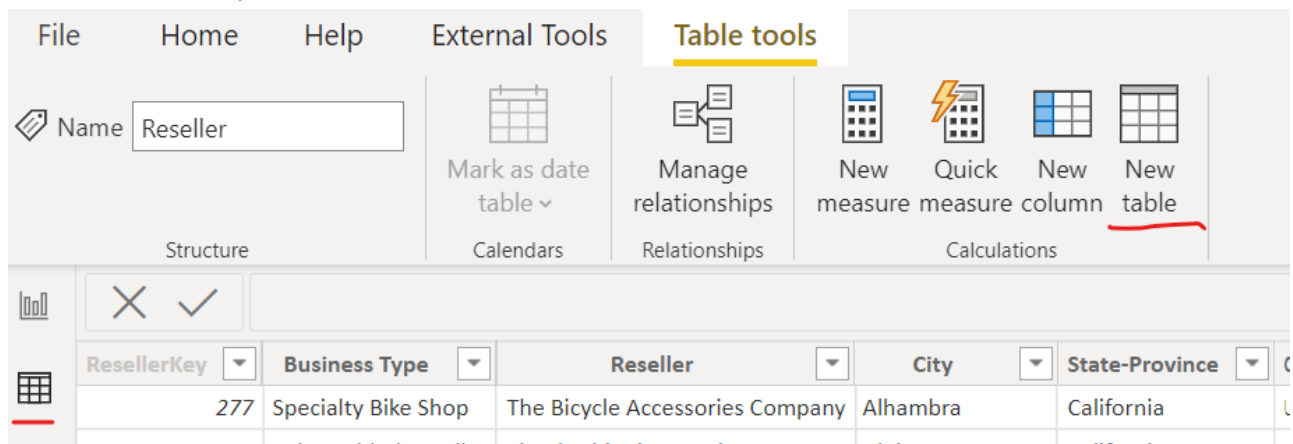
The screenshot shows the Power BI Desktop interface. The 'Table tools' ribbon is active, displaying various options like Paste, Get data, Manage relationships, New measure, Sensitivity, and Publish. The main workspace shows a table with the following data:

ShowValueAs	DivideBy
Real Value	1
Thousands	1000
Millions	1000000
Billions	1000000000

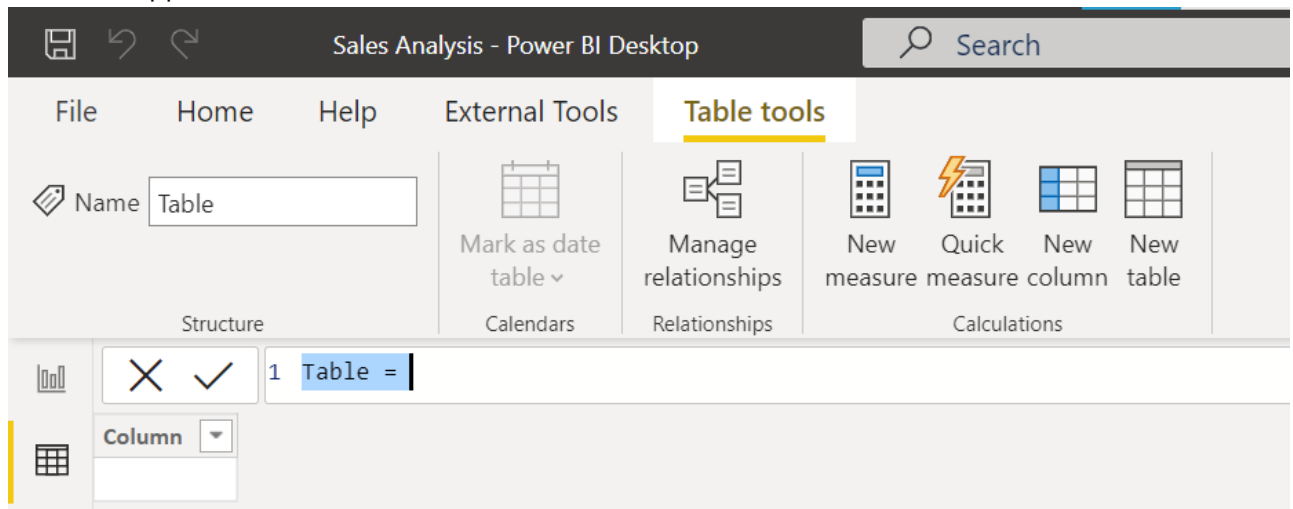
The 'Fields' pane on the right shows a list of tables: Product, Region, Reseller, Sales, Salesperson (Performan..., SalespersonRegion, Scale, and Targets. The 'Scale' table is highlighted.

Creating Measures

1. Click on Data Pane, and then click on 'Create Table' icon in the ribbon



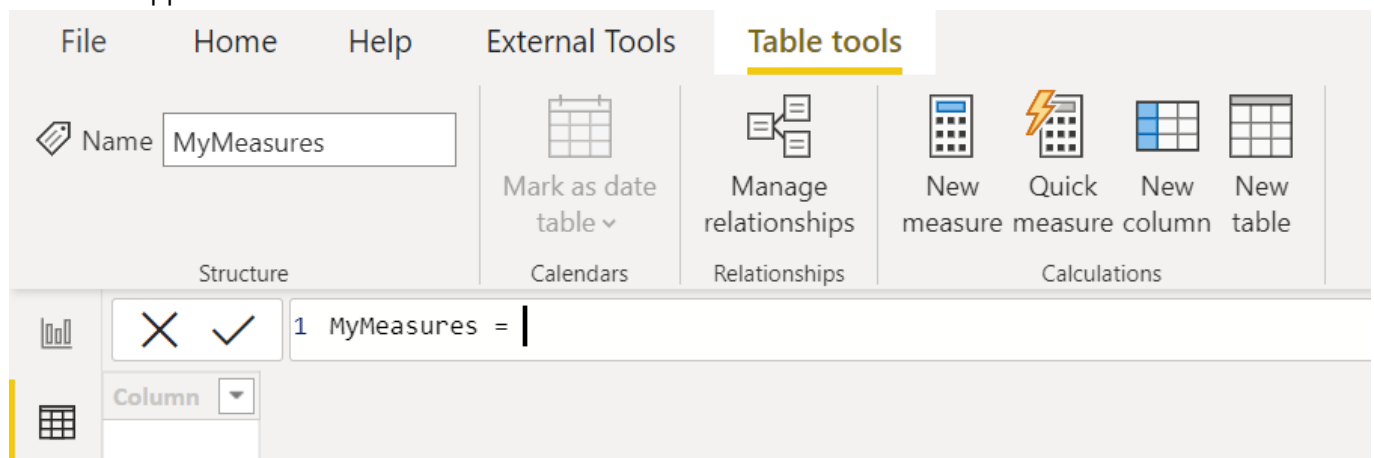
and it will appear as follows



Change the expression to be

MyMeasures =

and it will appear as follows



Click on Enter Key and table will be created

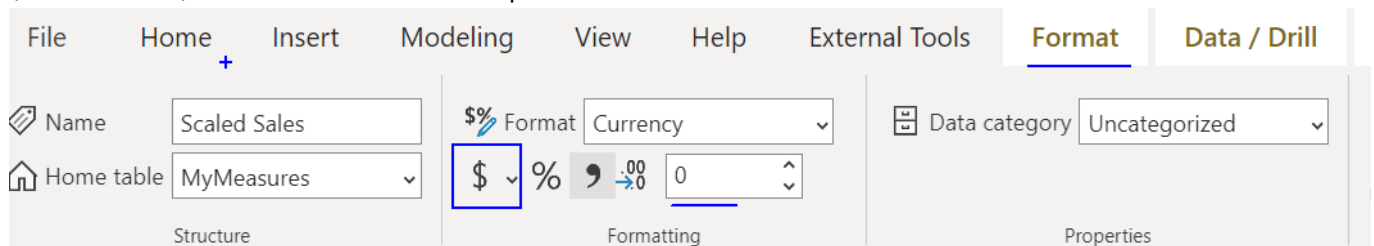
2. Right Click on My Measures | New Measure, and enter the formula as follows and enter the formula as follows

```

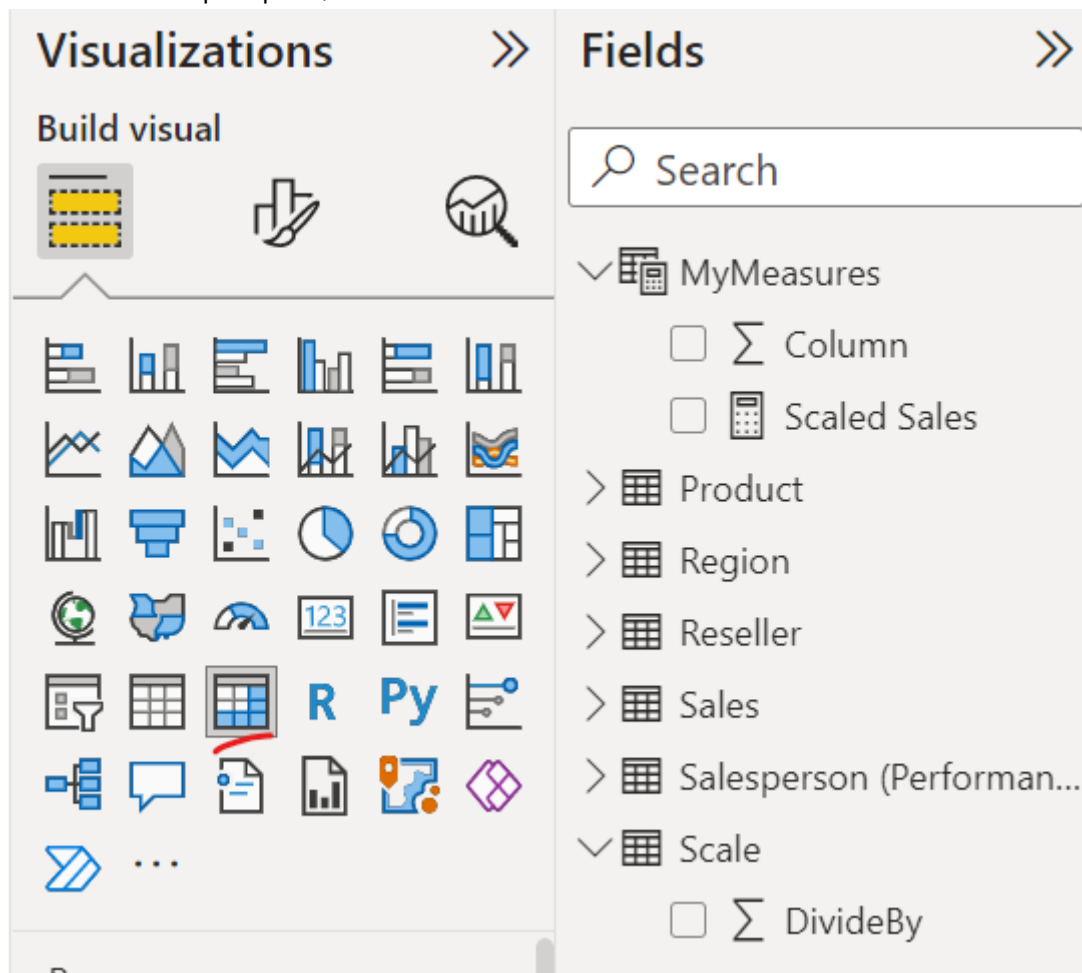
Scaled Sales = if(
    HASONEVALUE(Scale[ShowValueAs]),
    DIVIDE(SUM(Sales[Sales]),SELECTEDVALUE(Scale[DivideBy])),
    SUM(Sales[Sales])
)

```

3. Select the measure 'Scaled Sales' and Click on Format pane, and specify the currency to be '\$ English (United States)' and format to 0 decimal places.



4. Now click on Report pane, and add Matrix visualization



5. Add the following fields to Matrix Visualization

- Rows: Region | Group
- Values: Sales | Sales
- Values: MyMeasures | Scaled Sales

and it will appear as follows

Group	Sales	Scaled Sales
Europe	\$1,02,88,626	\$1,02,88,626
North America	\$6,58,68,919	\$6,58,68,919
Pacific	\$13,91,025	\$13,91,025
Total	\$7,75,48,570	\$7,75,48,570

6. Now add a slicer to the report, and add field 'ShowValueAs' to the slicer

Group	Sales	Scaled Sales
Europe	\$1,02,88,626	\$1,02,88,626
North America	\$6,58,68,919	\$6,58,68,919
Pacific	\$13,91,025	\$13,91,025
Total	\$7,75,48,570	\$7,75,48,570

ShowValueAs

- ☐ Billions
- ☐ Millions
- ☐ Real Value
- ☐ Thousands

Visualizations

Build visual

Filters

Field

ShowValueAs

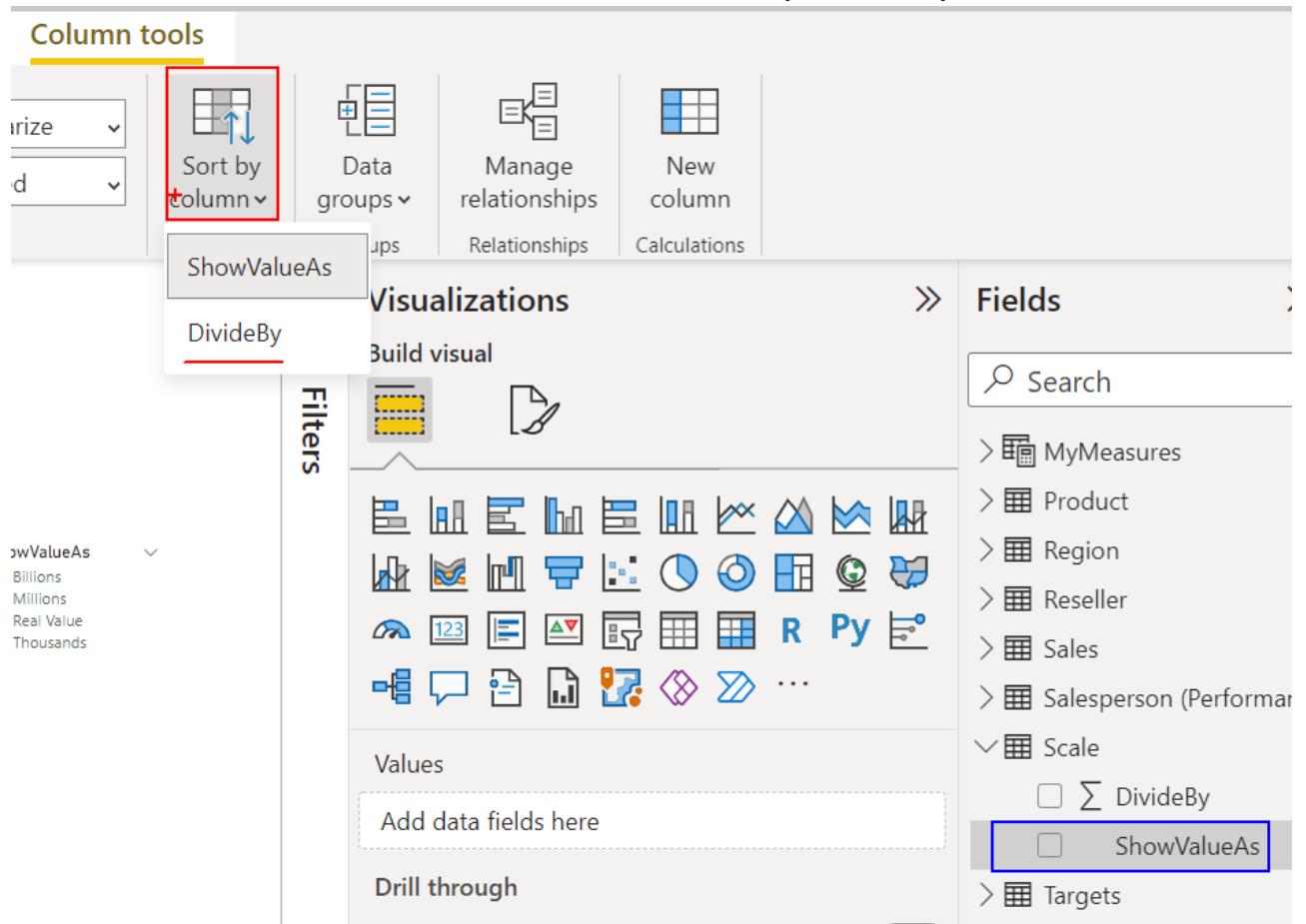
Drill through

Cross-report

Keep all filters

Add drill-through fields here

7. Click on 'ShowValueAs' field, and from Column Tools, set sort by as 'DivideBy' field



and slicer will appear as sorted on the basis on Divide By as follows

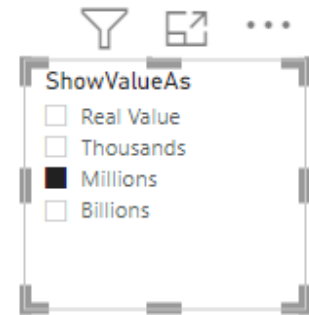
Group	Sales	Scaled Sales
Europe	\$1,02,88,626	\$1,02,88,626
North America	\$6,58,68,919	\$6,58,68,919
Pacific	\$13,91,025	\$13,91,025
Total	\$7,75,48,570	\$7,75,48,570

ShowValueAs

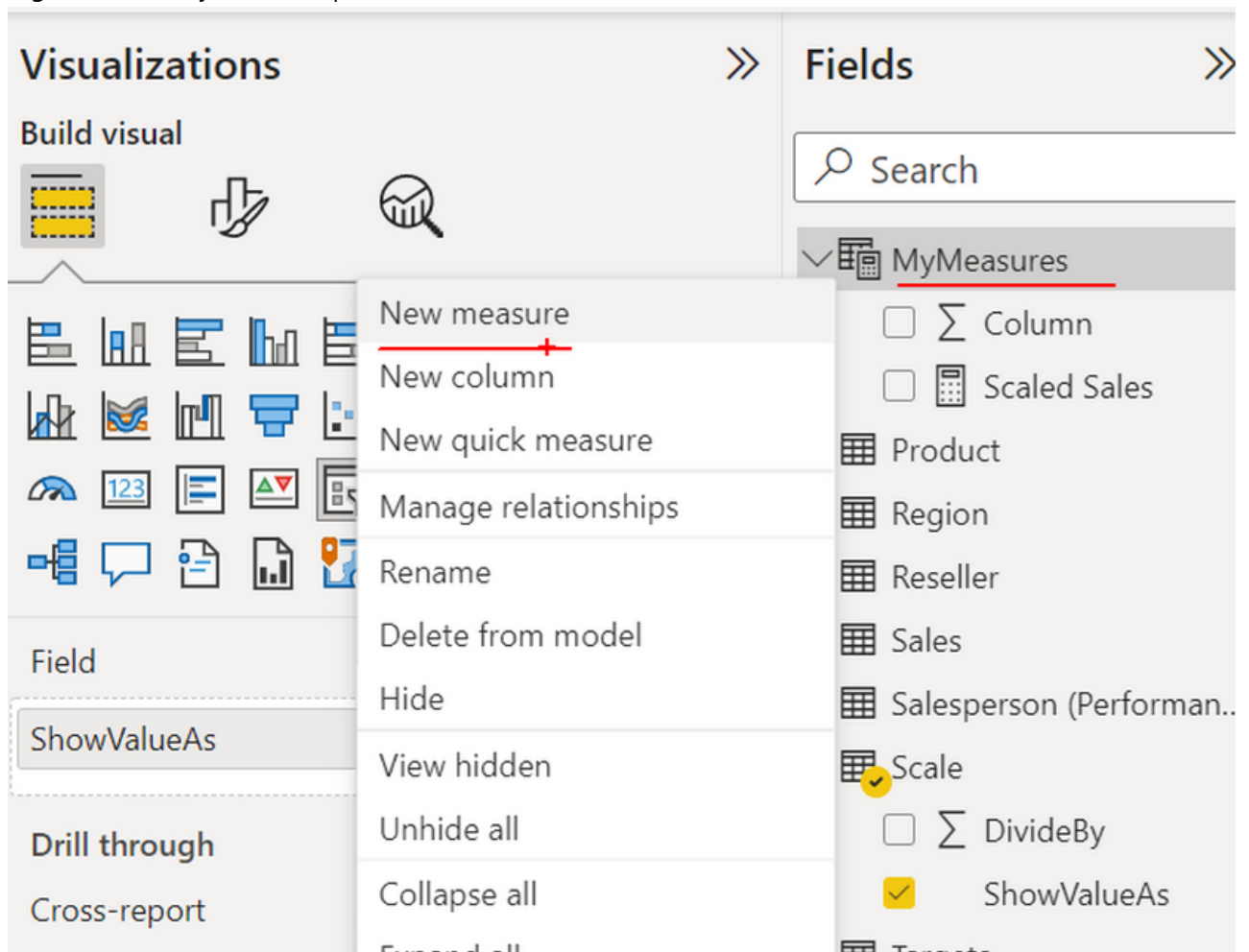
- ☒ Real Value
- ☐ Thousands
- ☐ Millions
- ☐ Billions

8. Now, when we make any selection in slicer, according Scaled Sales Amount gets updated in Matrix Report.

Group	Sales	Scaled Sales
Europe	\$1,02,88,626	\$10
North America	\$6,58,68,919	\$66
Pacific	\$13,91,025	\$1
Total	\$7,75,48,570	\$78



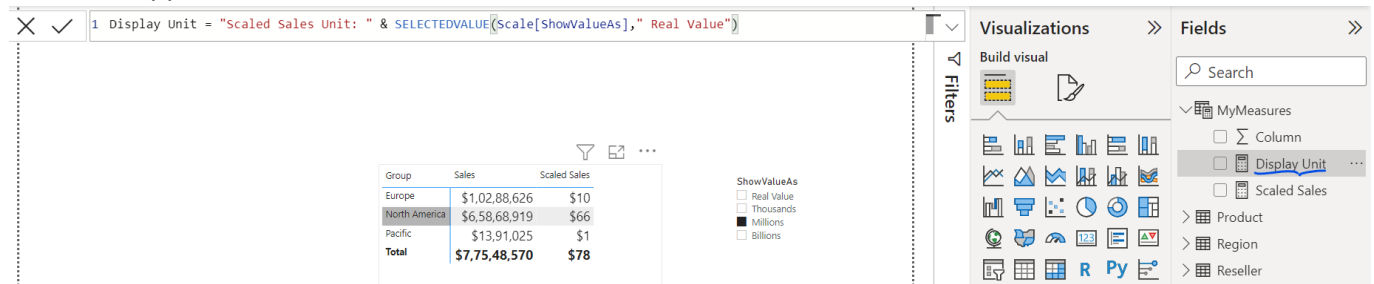
9. Right click on MyMeasures | New Measure



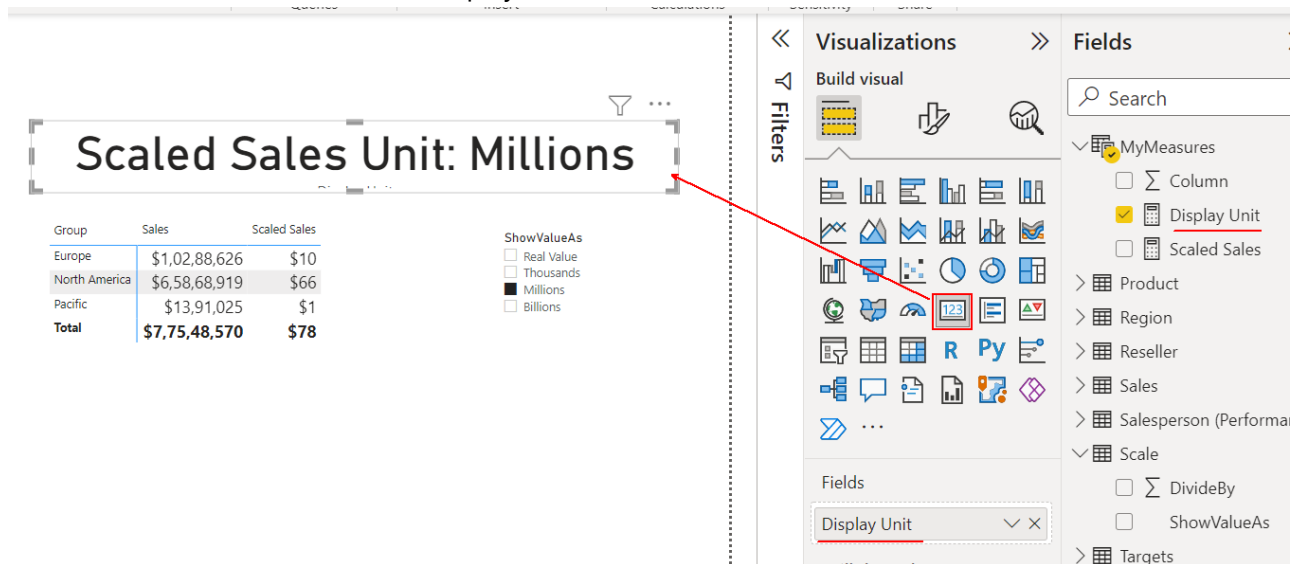
and enter the formula as follows

```
Display Unit = "Scaled Sales Unit: " & SELECTEDVALUE(Scale[ShowValueAs], " Real Value")
```

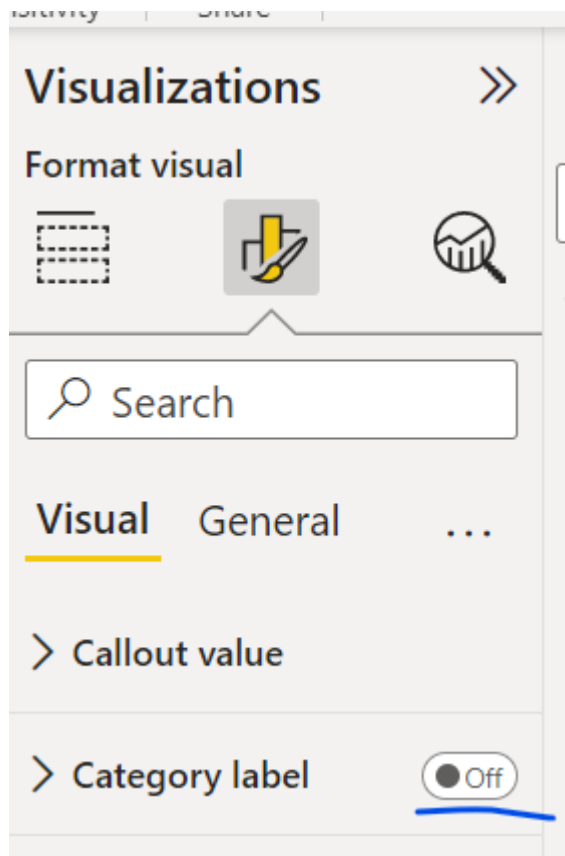

and it will appear as follows



10. Add a Card visualization, and add Display Unit to it



11. Click on Format icon and hide Category Label



and specify the size

Scaled Sales Unit: Millions

Group	Sales	Scaled Sales
Europe	\$1,02,88,626	\$10
North America	\$6,58,68,919	\$66
Pacific	\$13,91,025	\$1
Total	\$7,75,48,570	\$78

ShowValueAs

☐ Real Value

☐ Thousands

☒ Millions

☐ Billions

Visualizations

Format visual

Visual

General

Callout value

Font

DIN

14

B

I

U

Color

fx

Display units

Auto

Value decimal places

and it will appear as follows

Scaled Sales Unit: Millions

Group	Sales	Scaled Sales
Europe	\$1,02,88,626	\$10
North America	\$6,58,68,919	\$66
Pacific	\$13,91,025	\$1
Total	\$7,75,48,570	\$78

ShowValueAs

☐ Real Value

☐ Thousands

☒ Millions

☐ Billions

12. Now, if you change the unit, and same will be reflected, as exxpected

Scaled Sales Unit: Thousands

Group	Sales	Scaled Sales
Europe	\$1,02,88,626	\$10,289
North America	\$6,58,68,919	\$65,869
Pacific	\$13,91,025	\$1,391
Total	\$7,75,48,570	\$77,549

ShowValueAs

☐ Real Value

☒ Thousands

☐ Millions

☐ Billions