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 use Parameter Table to display the (sale /any other field) values in

- Real Value
- Thousands
- Millions
- Billions

Steps

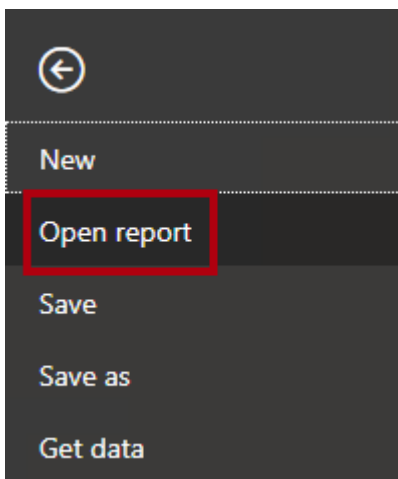1. To open the Power BI Desktop, on the taskbar, click the Microsoft Power BI Desktop shortcut.

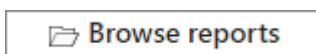2. To close the getting started window, at the top-left of the window, click **X**.

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,
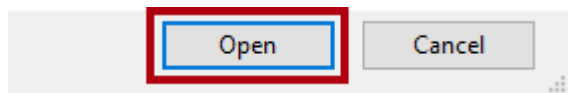
a. For connecting to Local Database

Navigate to **C:\PowerBI\Labs\05.Using-Parameter-Table-To-Display-In-Specified-Units\Starter** folder.

b. For connecting to Azure Database

Navigate to **C:\PowerBI\LabsWithDBInAzure\05.Using-Parameter-Table-To-Display-In-Specified-Units\Starter** folder.
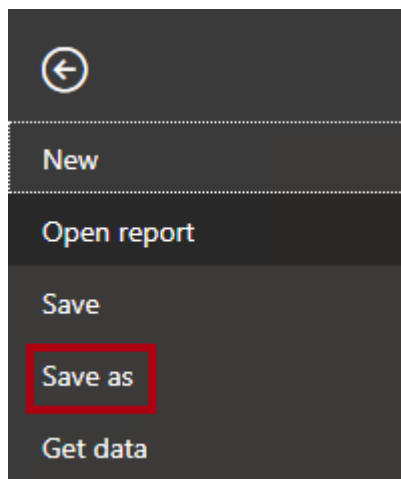
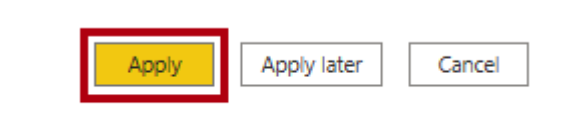7. Select the **Sales Analysis** file.

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.
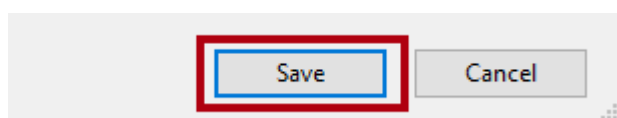
11. Select **Save As**.

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

13. In the **Save As** window, navigate to the **C:\PowerBI\MySolution** folder, and save the file as **05.Sales Analysis.pbix** as 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	Delimiter	Data Type Detection	
1252: Western European (Windows) ▼	Comma ▼	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

Sales Analysis - Power BI Desktop   MOD Administrator

File   Home   Help   External Tools   Table tools

Paste | Get data ▾ | Manage relationships | New measure | Sensitivity | Publish

Clipboard | Data | Queries | Relationships | Calculations | Security | Sensitivity | Share

ShowValueAs ▼	DivideBy ▼
Real Value	1
Thousands	1000
Millions	1000000
Billions	1000000000

Fields

🔍 Search

> ▦ Product
> ▦ Region
> ▦ Reseller
> ▦ Sales
> ▦ Salesperson (Performan...
> ▦ SalespersonRegion
> ▦ Scale
> ▦ Targets

Creating Measures

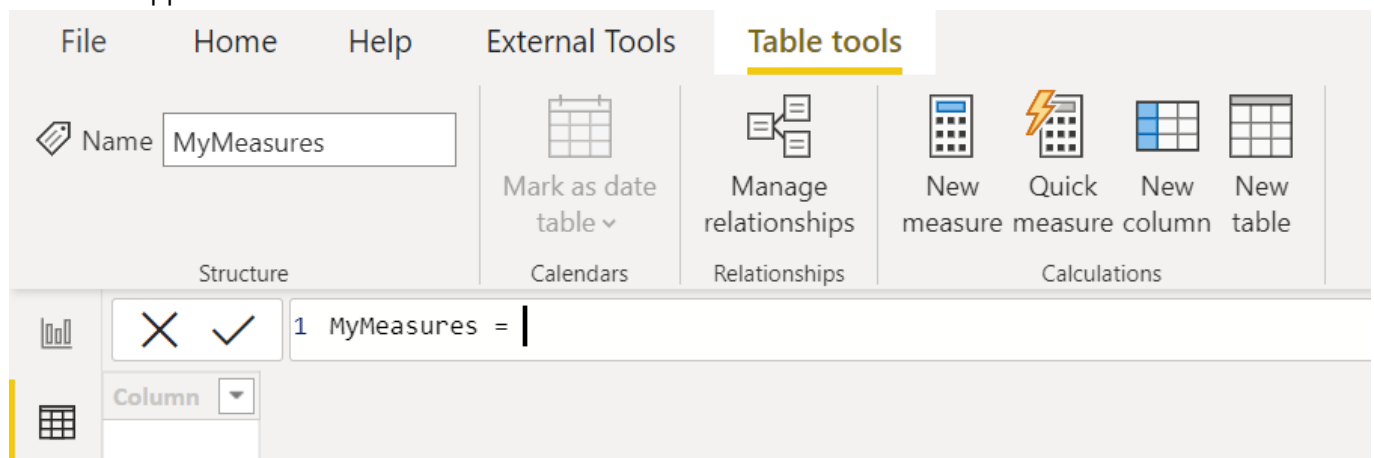1. Click on Data Pane, and then click on 'Create Table' in the ribbon
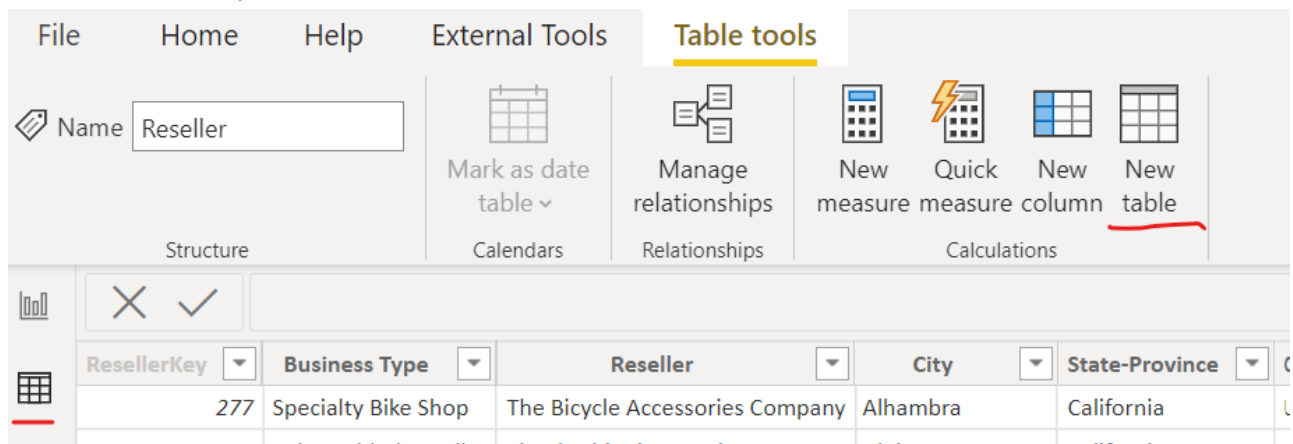
and it will appear as follows
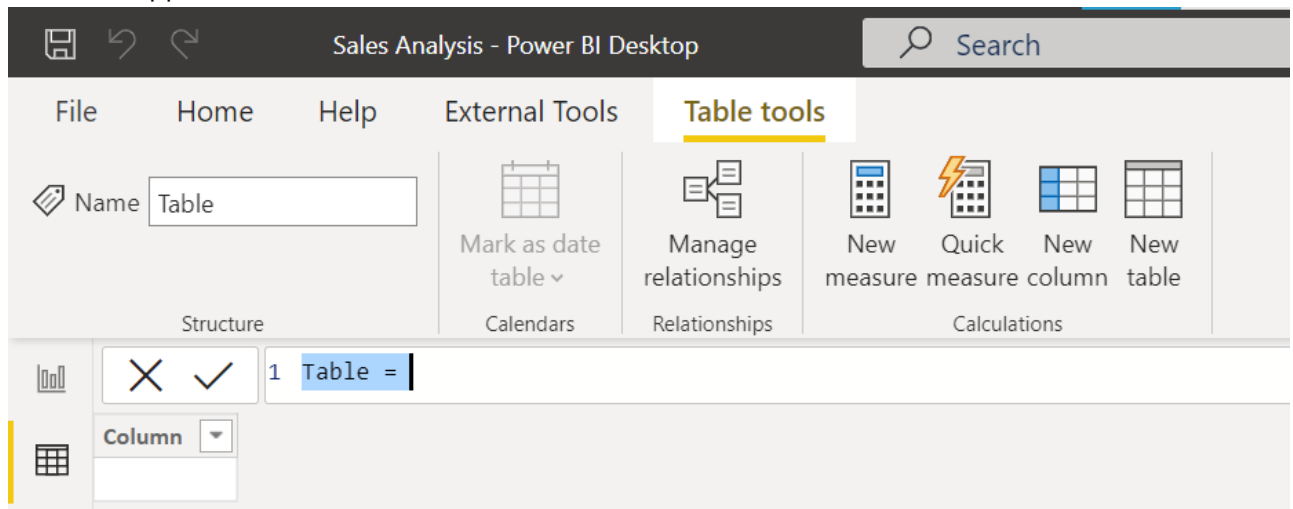
Change the expression to be

```
MyMeasures =
```
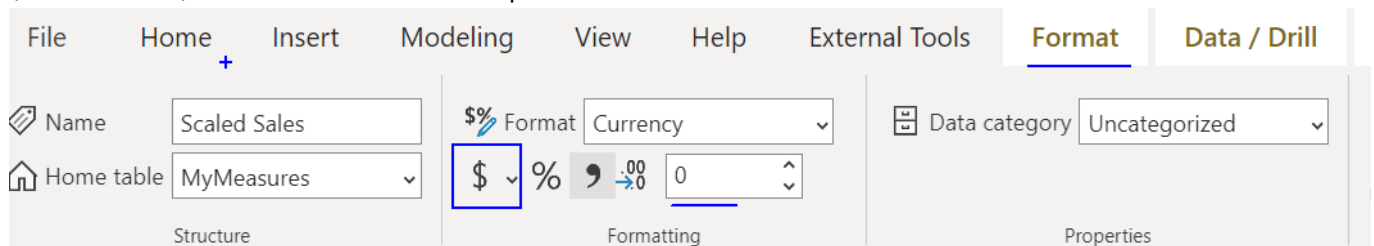
and it will appear as follows


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
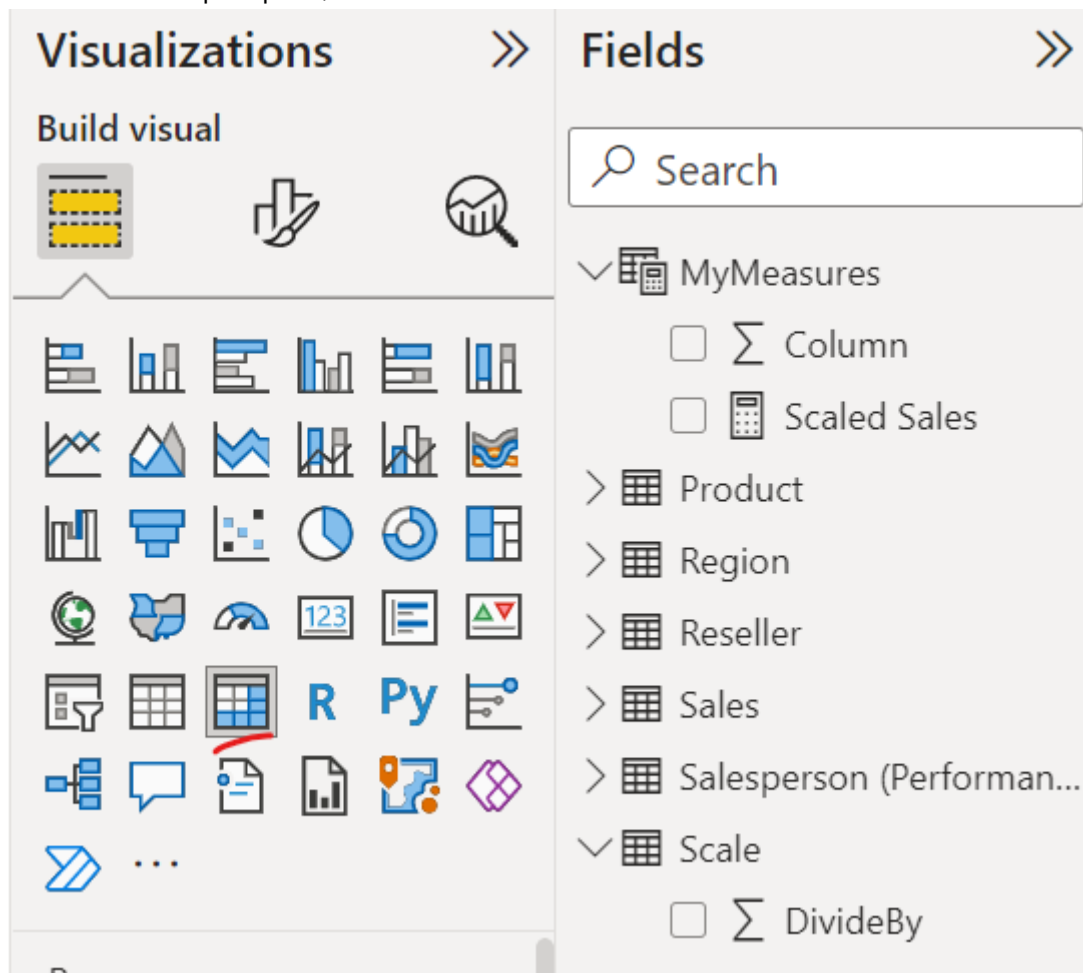
5. Add the following fields to Matrix Visualization
   a. Rows: Region | Group
   b. Values: Sales | Sales
   c. Values: MyMeasures | Scaled Sales

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

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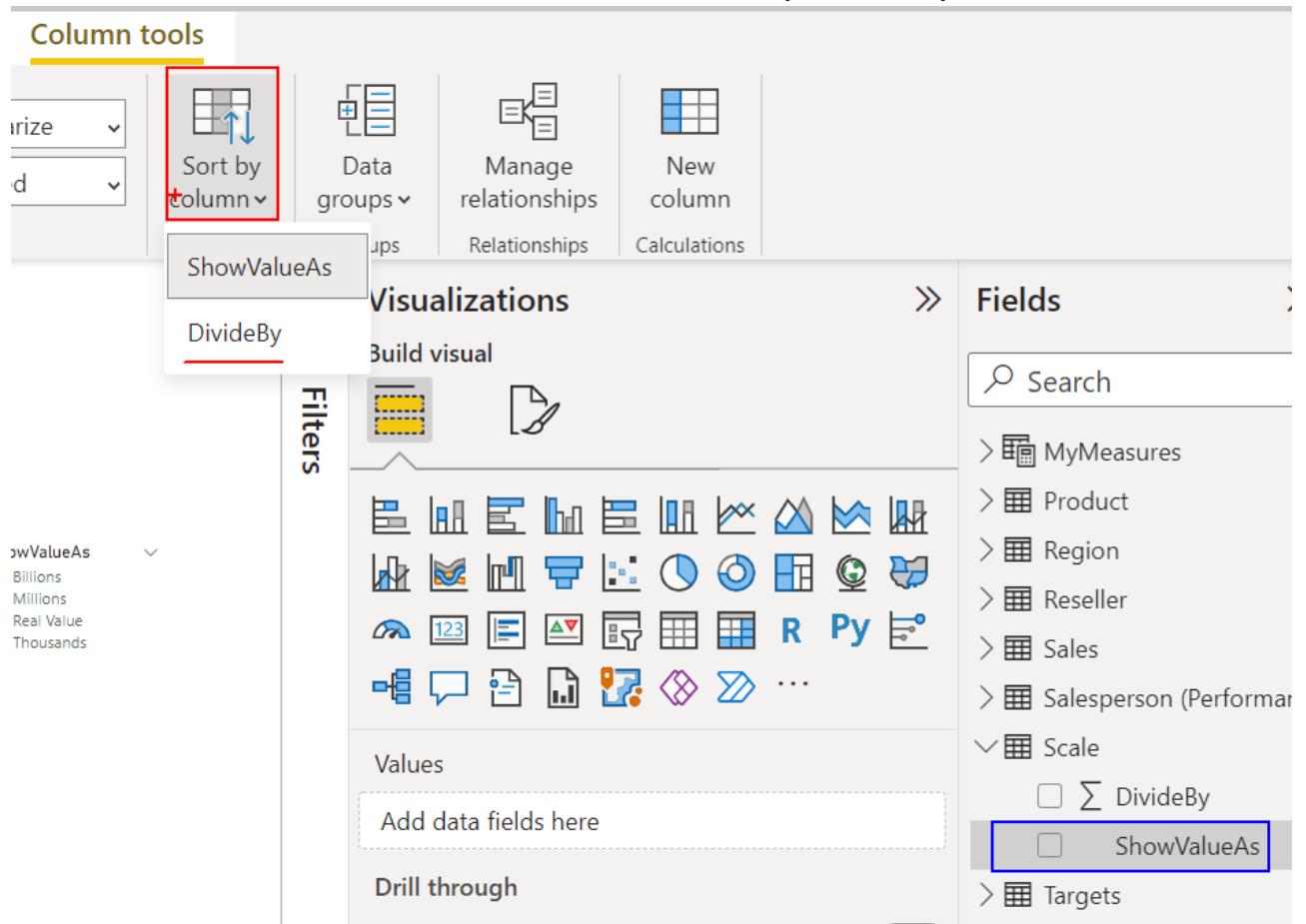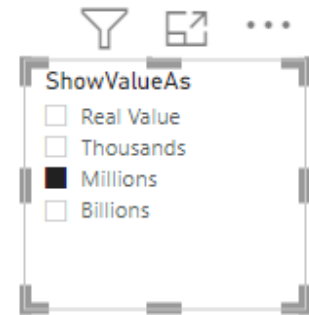

and slicer will appear as sorted on the basis on Divide By as follows

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**

ShowValueAs
- ☐ Real Value
- ☐ Thousands
- ☑ Millions
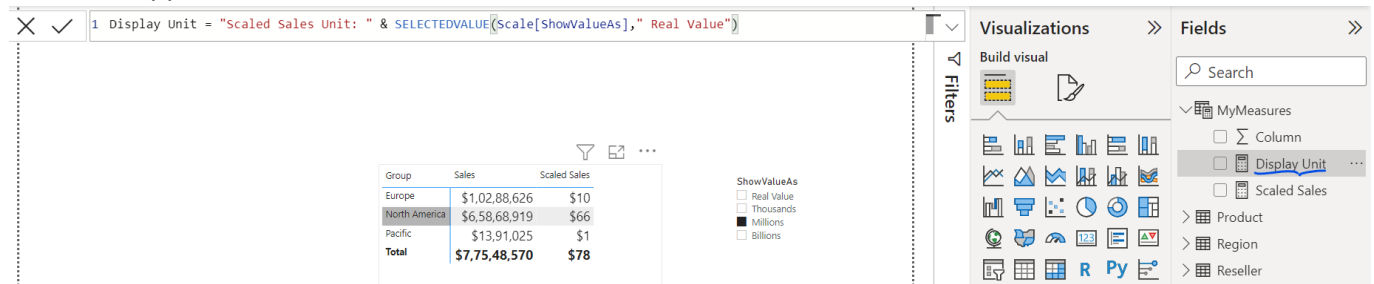- ☐ Billions
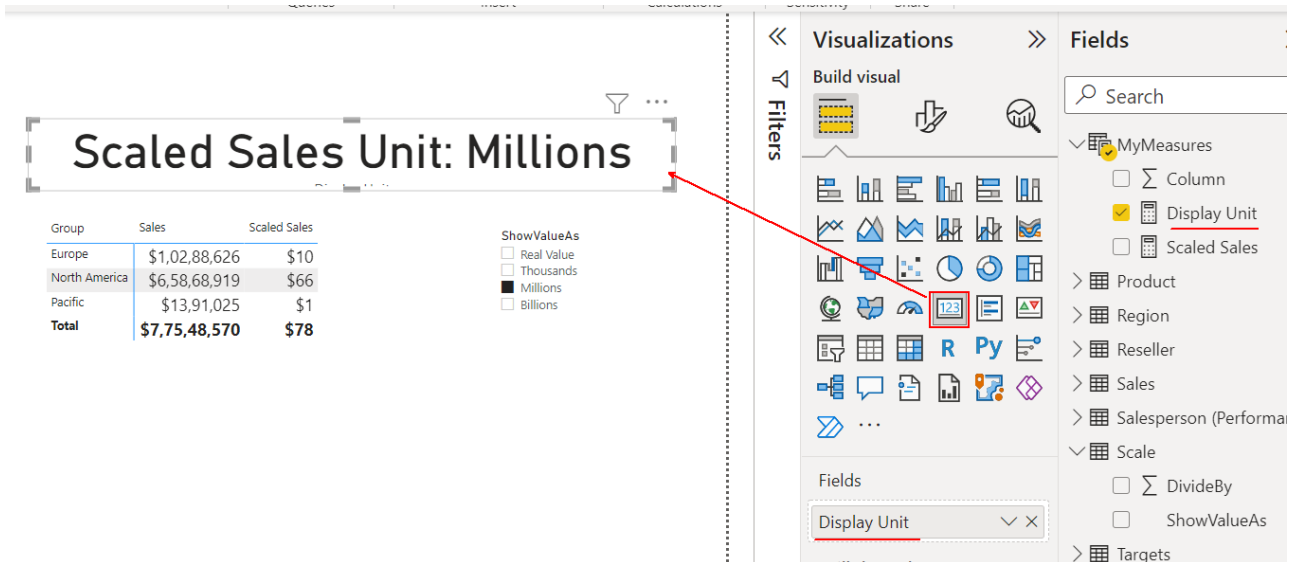
9. Right click on MyMeasures | New Measure
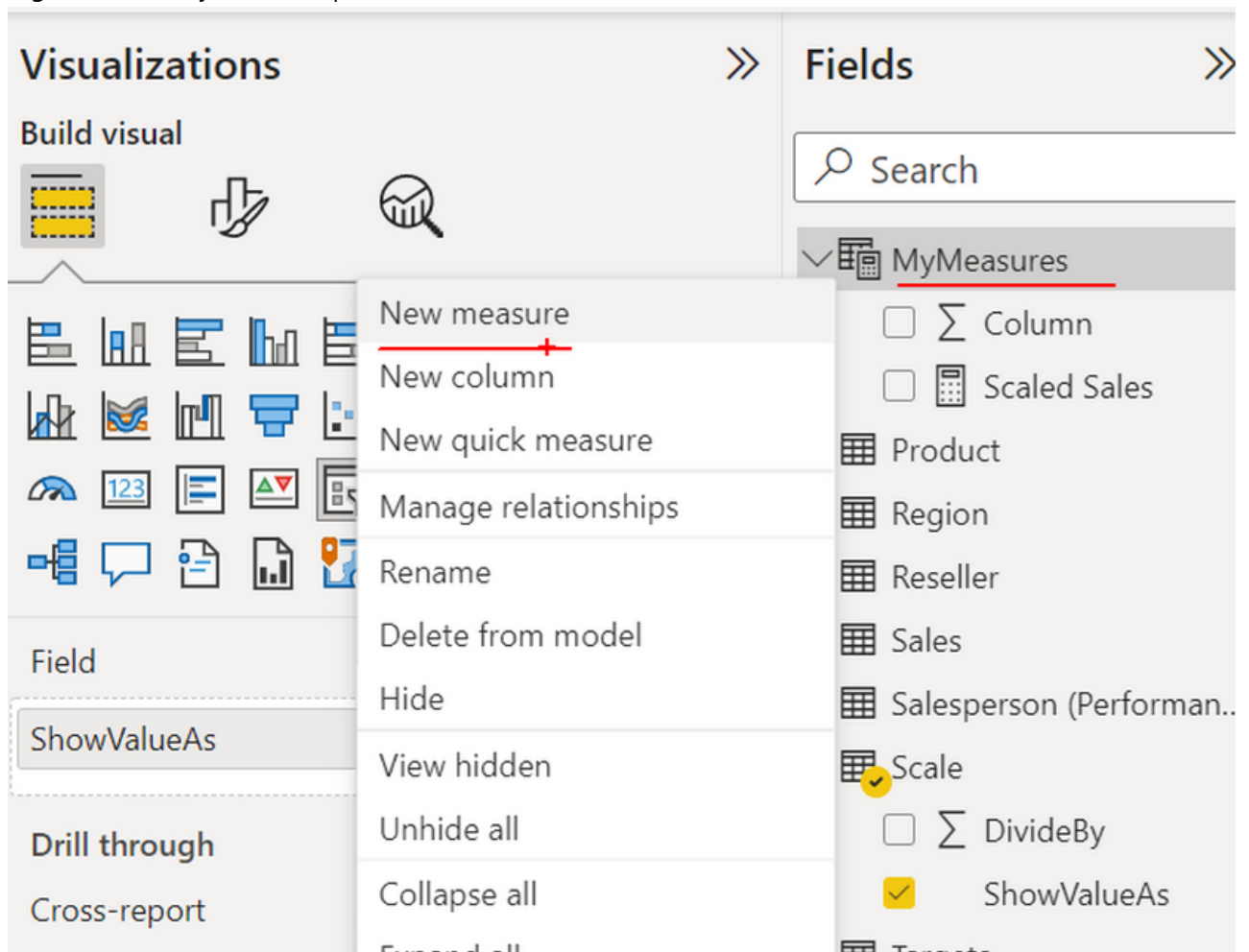
and enter the formula as follows

```
Display Unit = "Scaled Sales Unit: " & SELECTEDVALUE(Scale[ShowValueAs]," Real
Value")
```
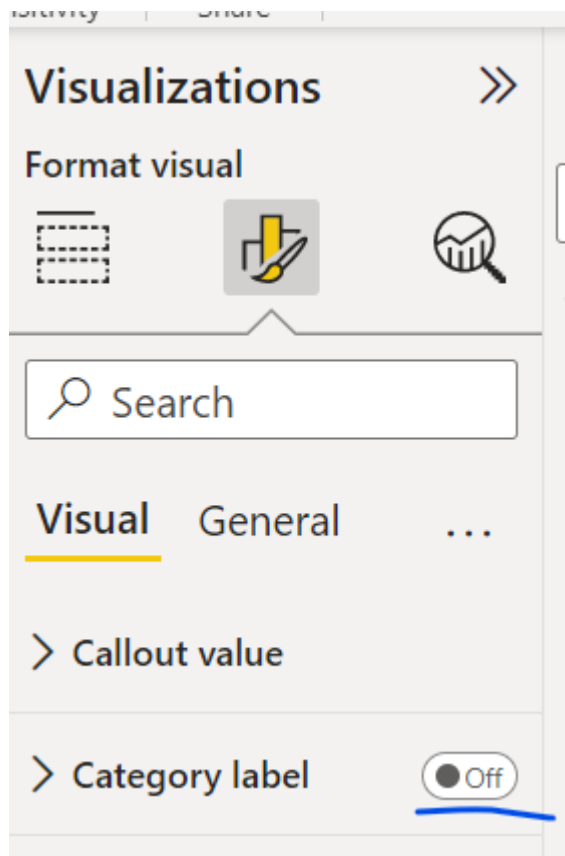
and it will appear as follows

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

11. Click on Format icon and hide Category Label

and specify the size

and it will appear as follows

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