Lab 03- Use Parameter Table To Display Amount In Selected Units

The estimated time to complete the lab is 45 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

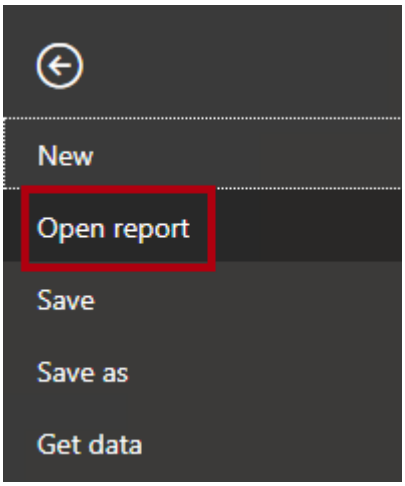
Steps

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

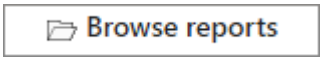
2. To close the getting started window, at the top-left of the window, click **X**.

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

4. Select **Open Report**.



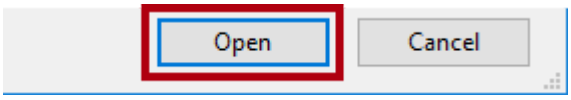
5. Click **Browse Reports**.



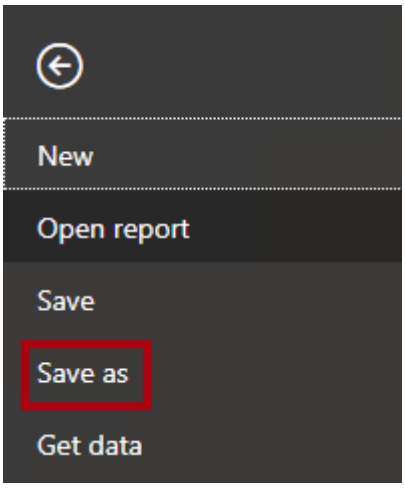
6. In the **Open** window, navigate to the **D:\PowerBI\Labs\03.Using-Parameter-Table-To-Display-In-Specified-Units\Starter** folder.

7. Select the **Sales Analysis** file.

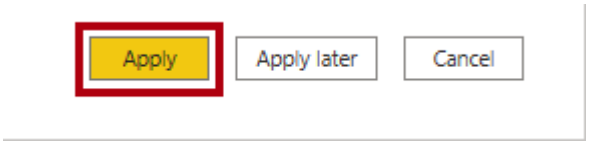
8. Click **Open**.



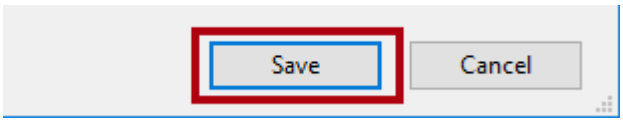
9. Close any informational windows that may open.
10. To create a copy of the file, click the **File** ribbon tab to open the backstage view.
11. Select **Save As**.



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

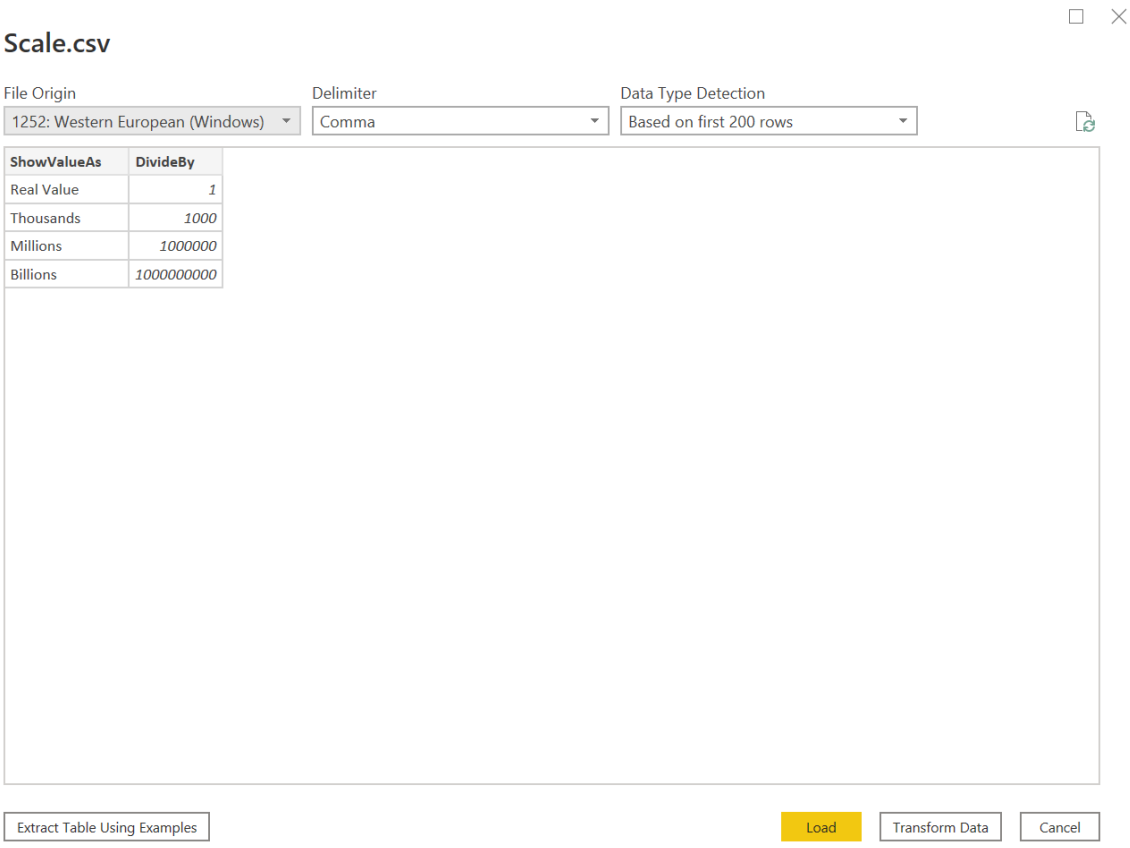


13. In the **Save As** window, navigate to the **D:\PowerBI\MySolution** folder, and save the file as **03.Sales Analysis.pbix** as Click **Save**..

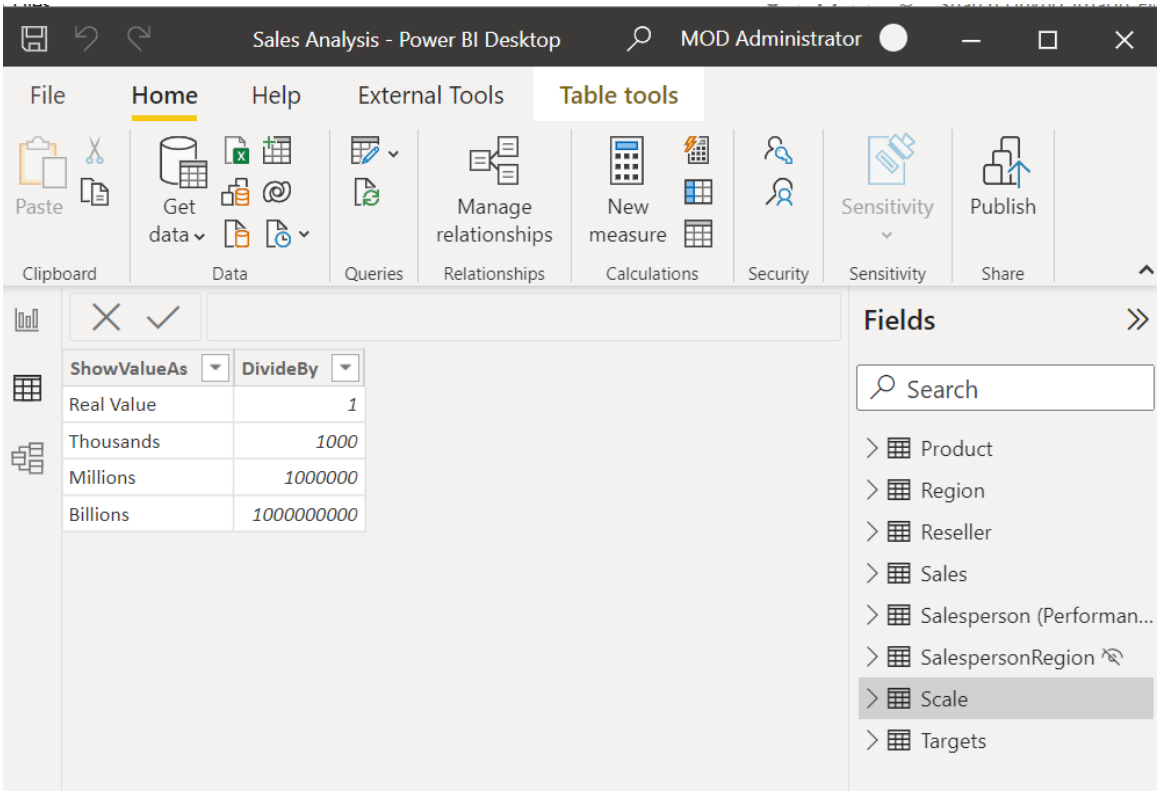


Importing The Data

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

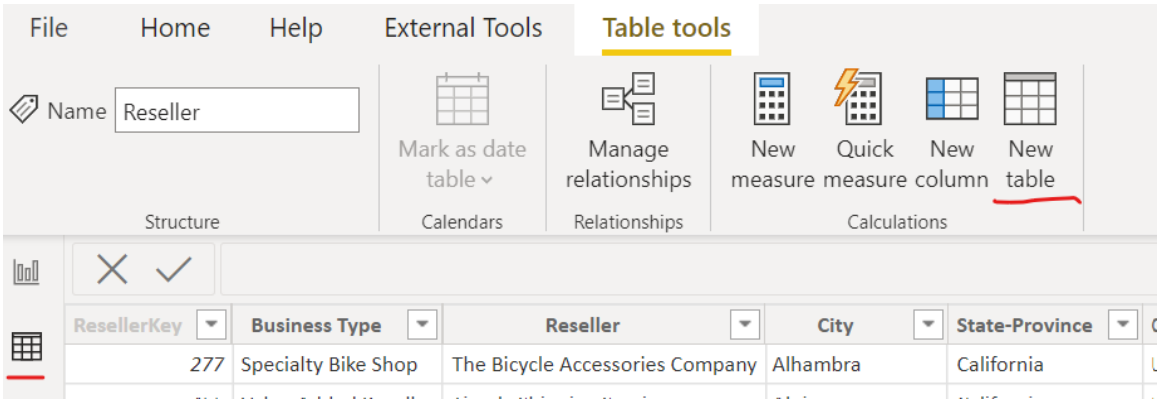


2. Click on Load button, and it will create a Scale table and it will display the screen as follows

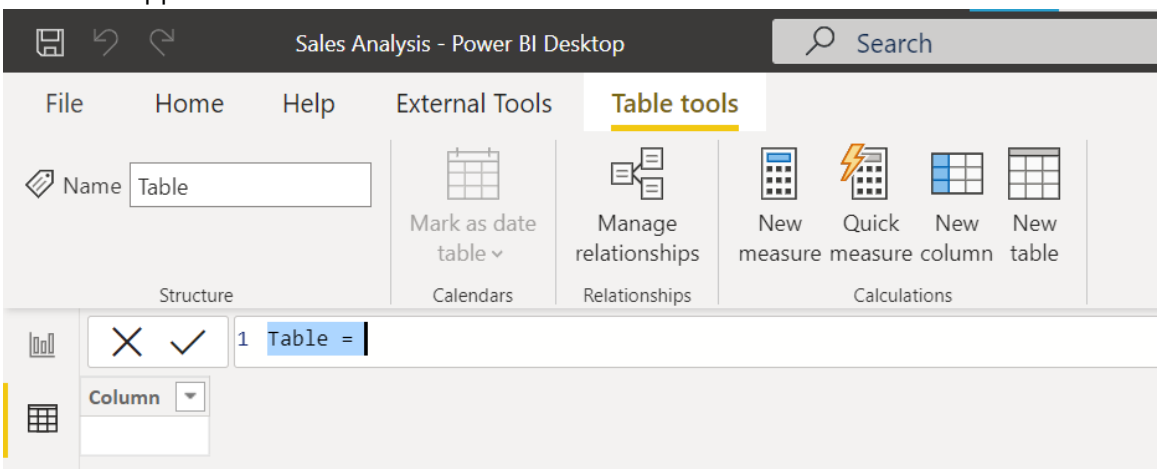


Creating Measures

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



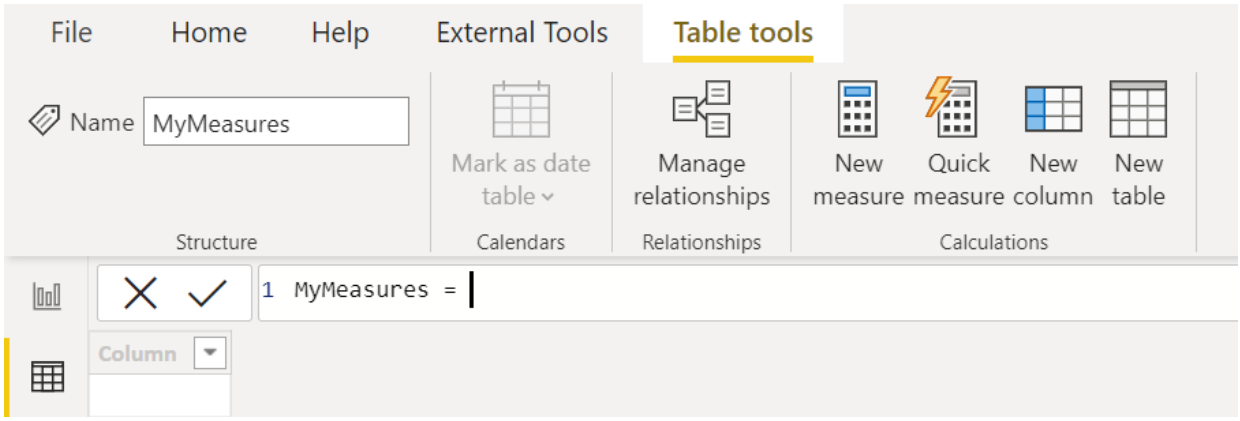
and it will appear as follows



Change the expression to be

```
MyMeasures =
```

and it will appear as follows



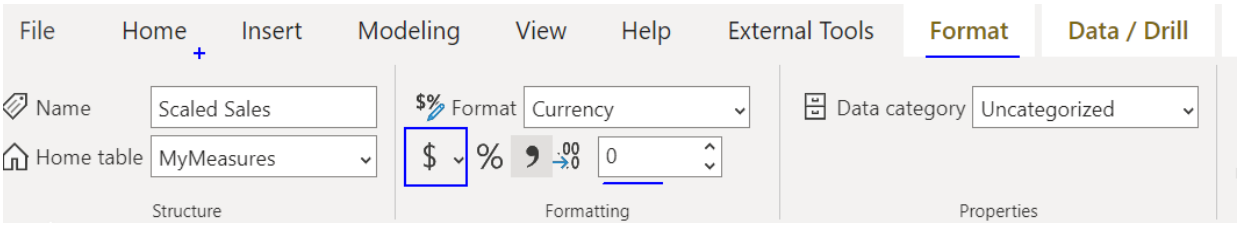
Click on Enter Key and table will be created

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

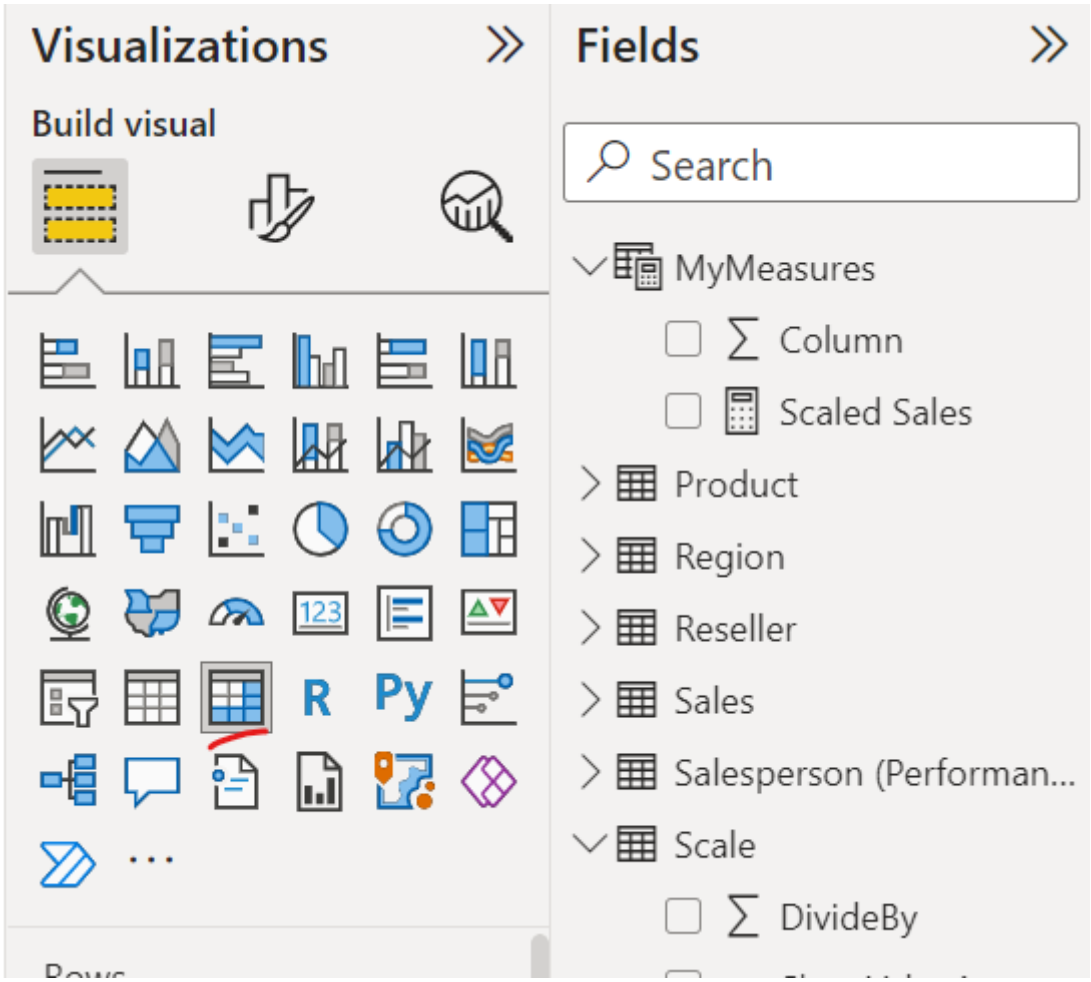
```
Scaled Sales = if(
                    HASONEVALUE(Scale[ShowValueAs]),

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

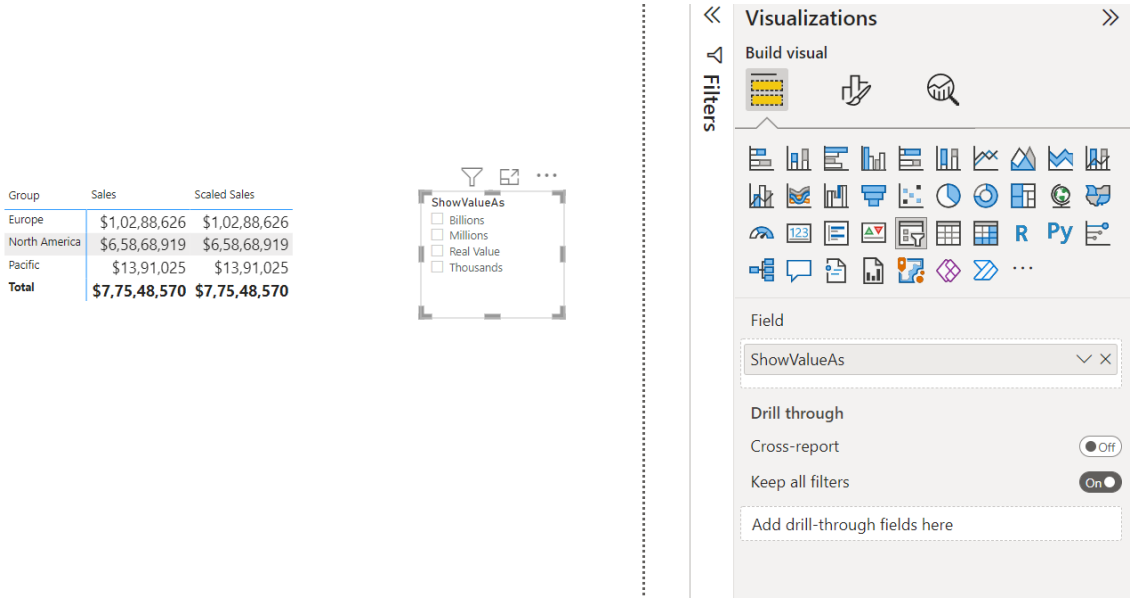


5. Add the following fields to Matrix Visualization
   a. Rows: Region | Group
   b. Values: Sales | Sales
   c. Values: MyMeasures | Scaled Sales

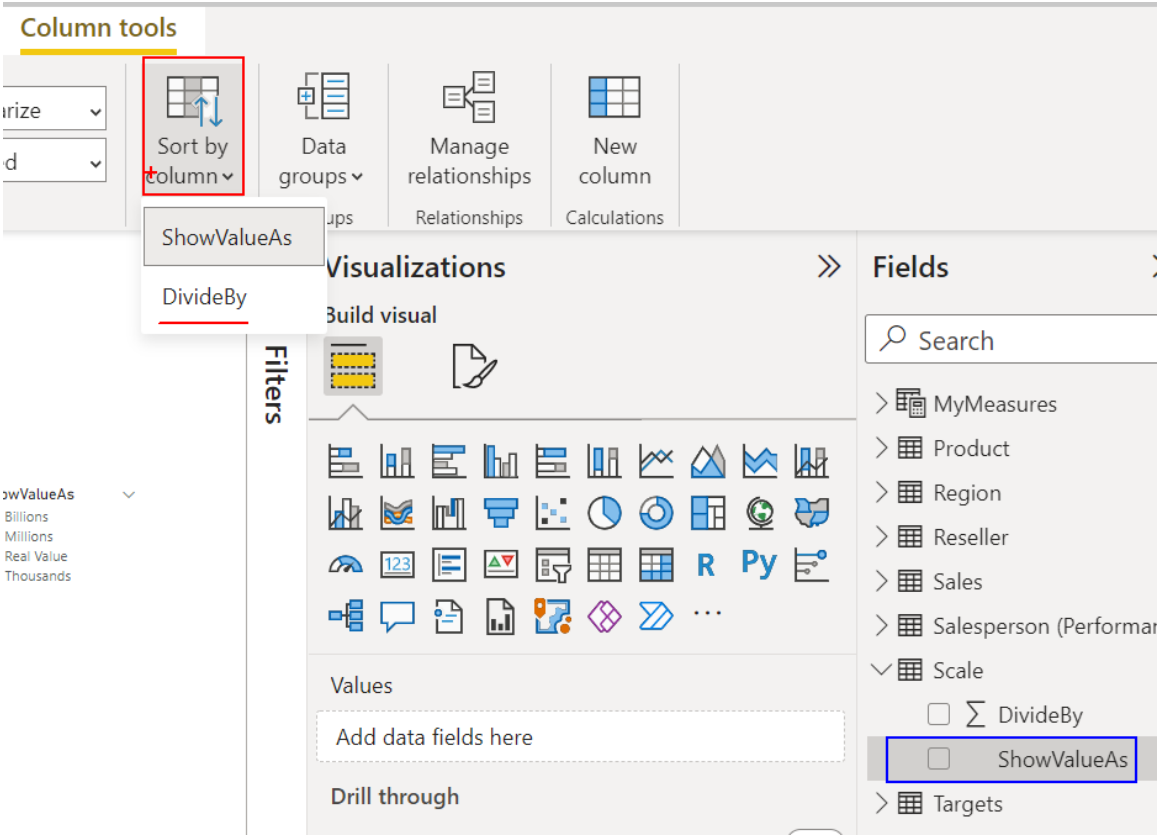
and it will appear as follows

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**

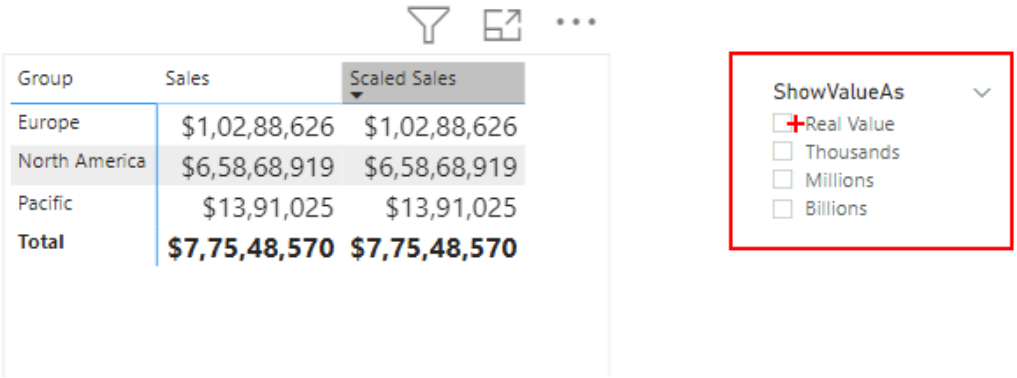
6. Now add a slicer to the report, and add field 'ShowValueAs' to the slicer



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

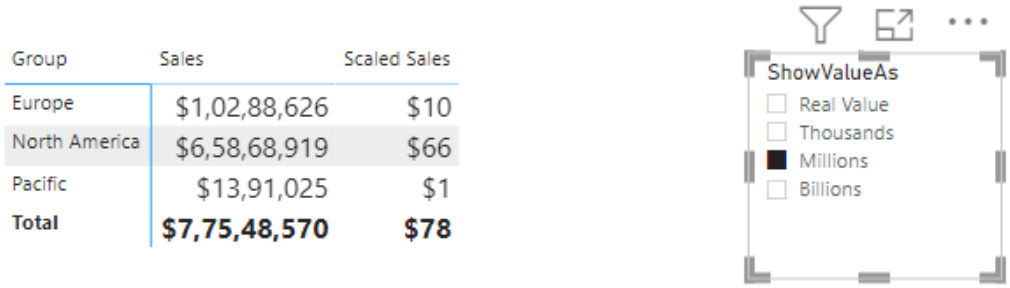


and slicer will appear as sorted on the basis on Divide By as follows



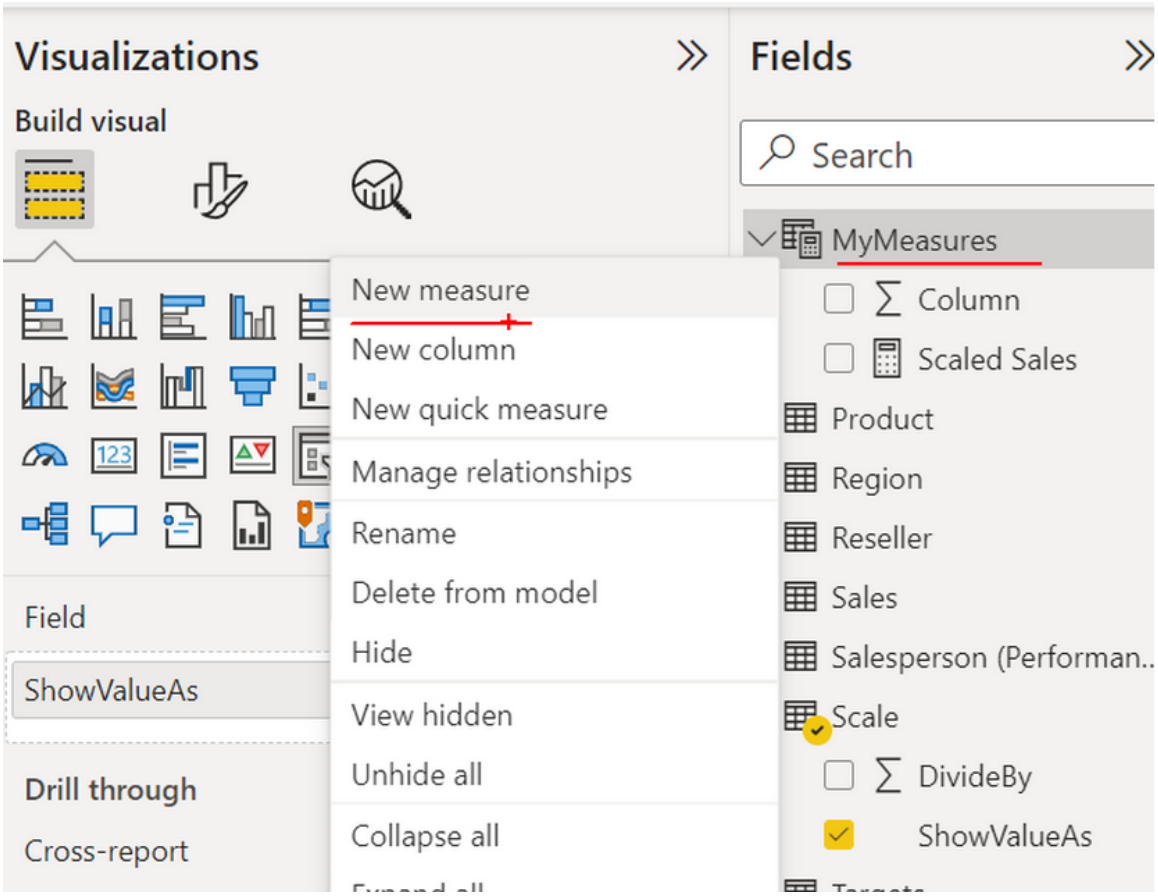
Group	Sales	Scaled Sales
Europe	$1,02,88,626	$1,02,88,626
North America	$6,58,68,919	$6,58,68,919
Pacific	$13,91,025	$13,91,025
Total	**$7,75,48,570**	**$7,75,48,570**

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

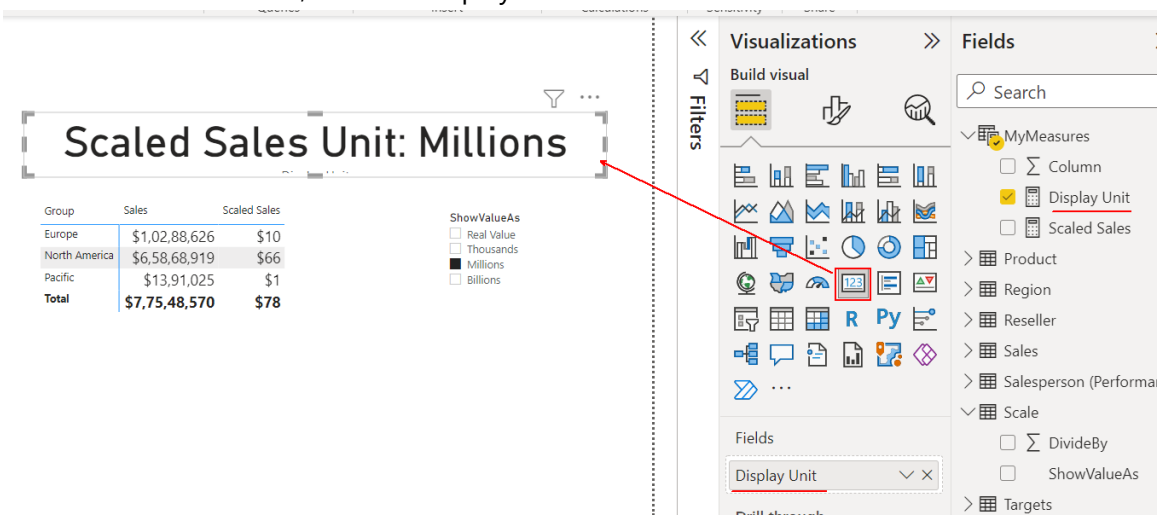


and enter the formula as follows

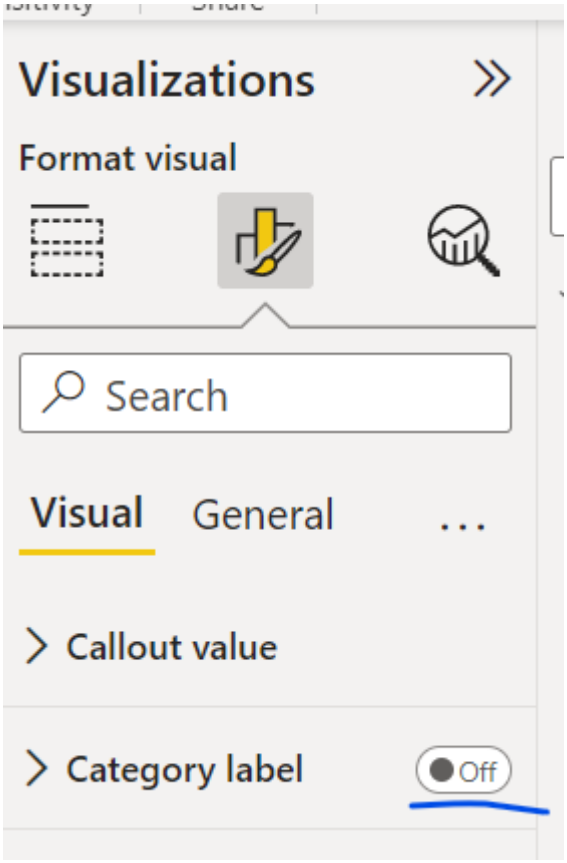
```
Display Unit = "Scaled Sales Unit: " & SELECTEDVALUE(Scale[ShowValueAs],"
Real Value")
```

and it will appear as follows

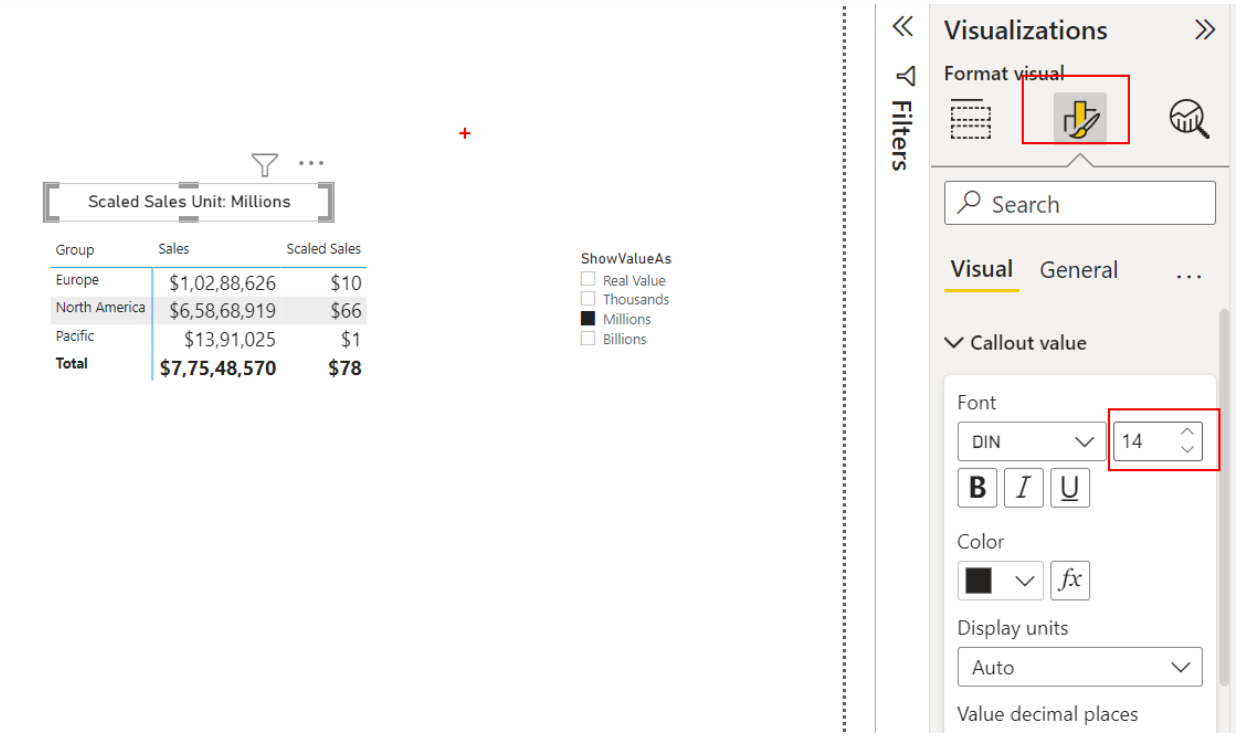
10. Add a Card visualization, and add Display Unit to it



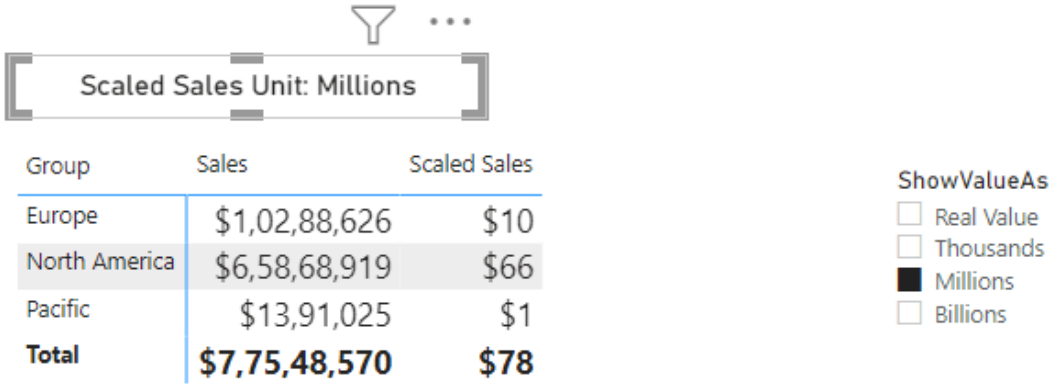
11. Click on Format icon and hide Category Label



and specify the size



and it will appear as follows



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