

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.

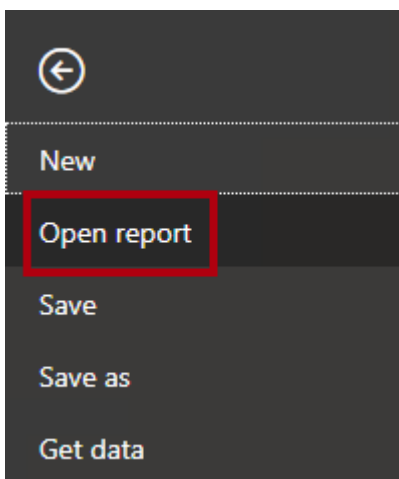


2. To close the getting started window, at the top-left of the window, click **X**.

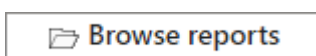


3. To open the starter Power BI Desktop file, click the **File** ribbon tab to open the backstage view.

4. Select **Open Report**.



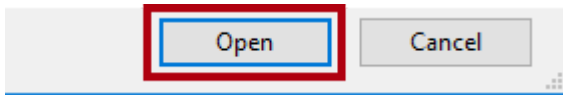
5. Click **Browse Reports**.



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

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

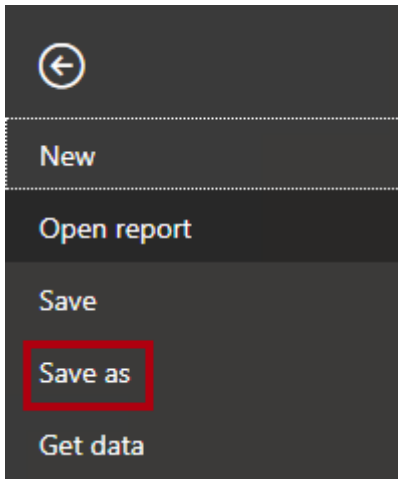
8. Click **Open**.



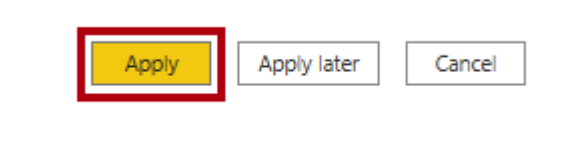
9. Close any informational windows that may open.

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

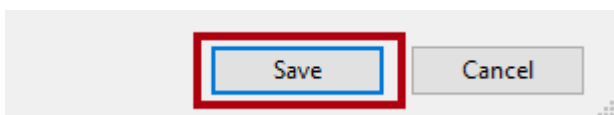
11. Select **Save As**.



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



13. In the **Save As** window, navigate to the **C:\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 'C:\PowerBI\Resources', and it will display the screen as follows

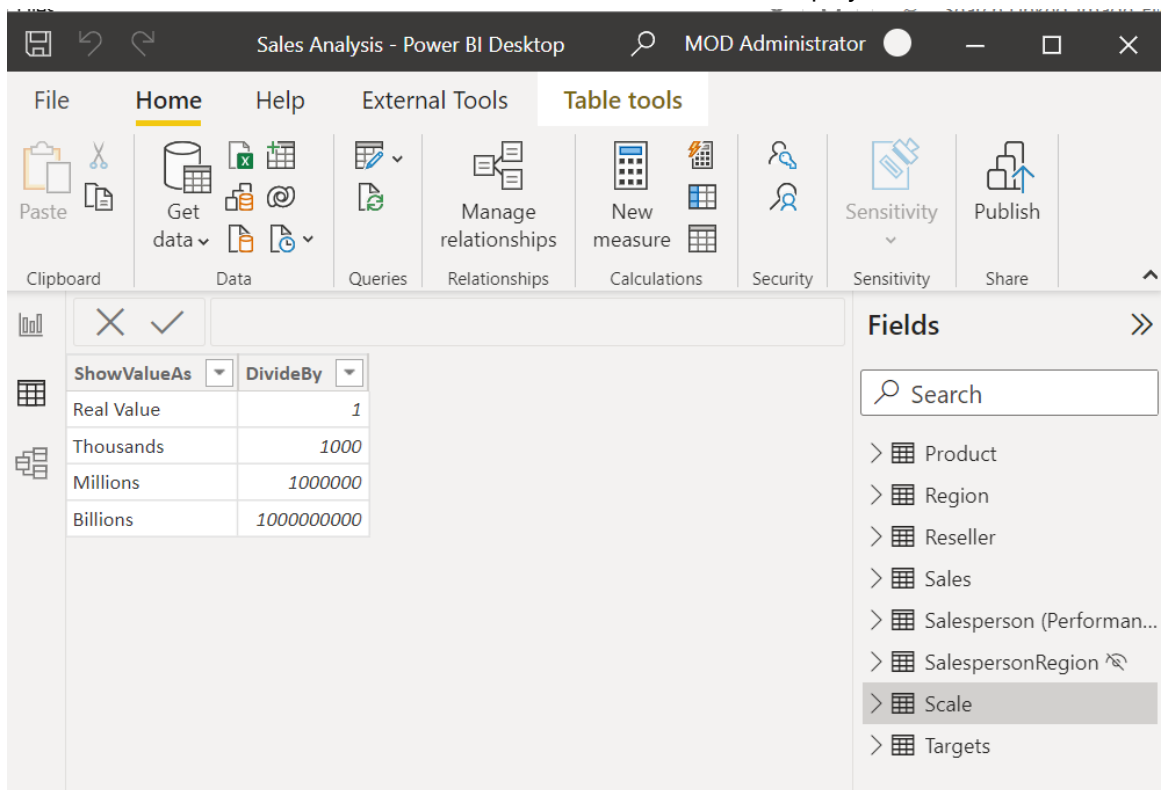
Scale.csv

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

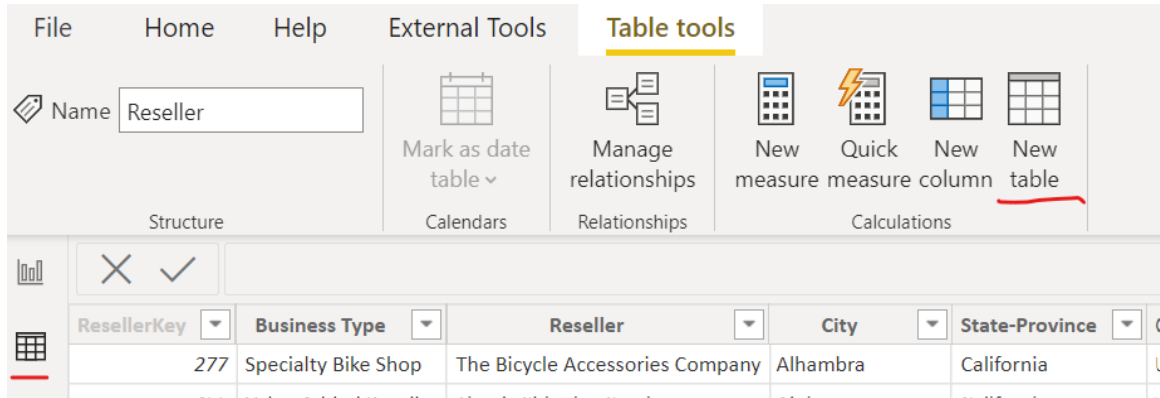
Extract Table Using Examples | Load | Transform Data | Cancel

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

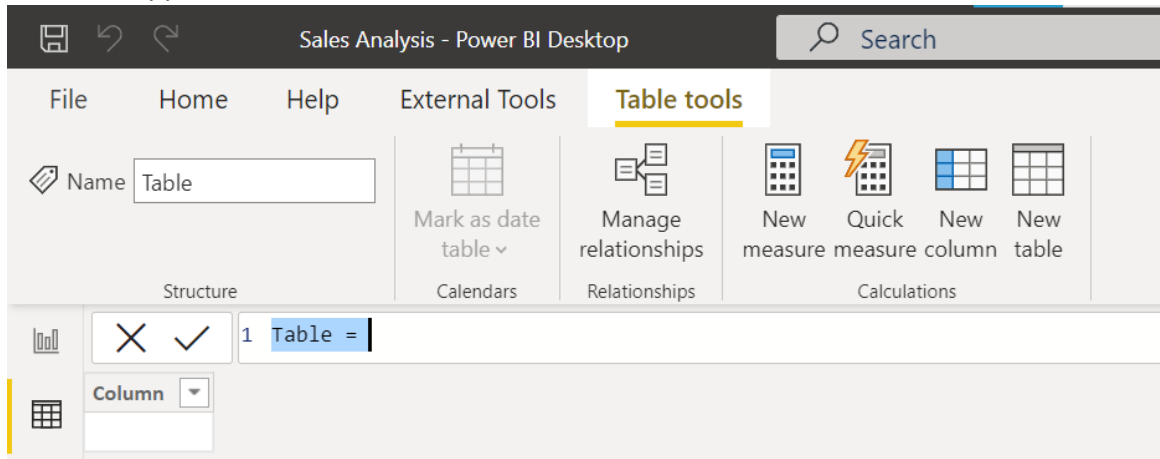


Creating Measures

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



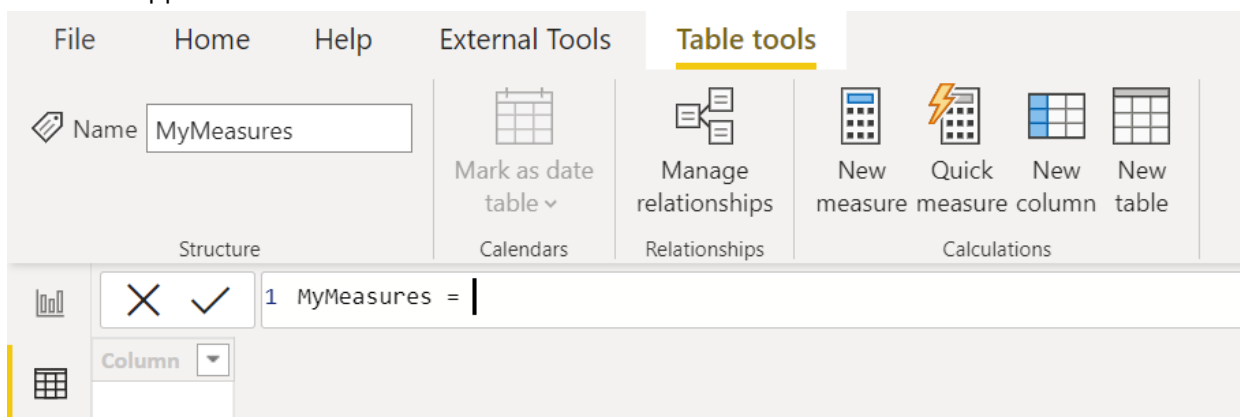
and it will appear as follows



Change the expression to be

MyMeasures =

and it will appear as follows

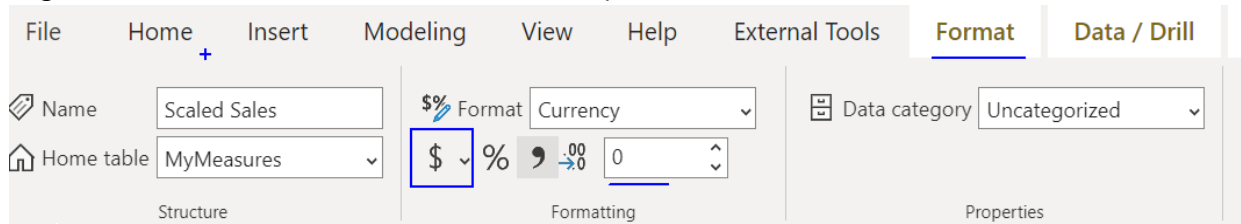


Click on Enter Key and table will be created

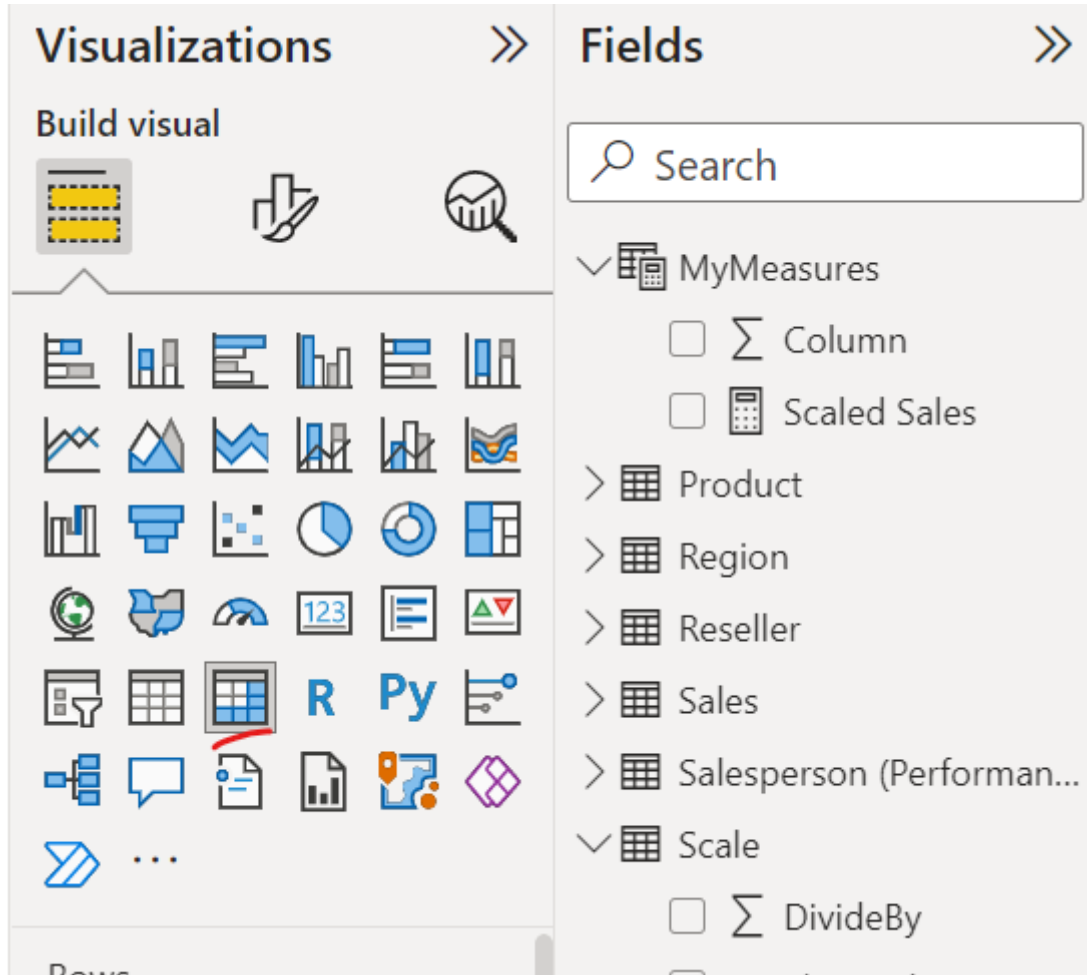
2. Right Click on My Measures | New Measure, and enter the formula as follows and enter the formula as follows

```
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

- 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

The screenshot shows the Power BI interface. On the left, a table displays sales data for Europe, North America, and Pacific, with a total. In the center, a slicer is added with the field 'ShowValueAs'. On the right, the 'Visualizations' pane shows the 'Build visual' section with various chart options. The 'Field' section shows 'ShowValueAs' selected. The 'Drill through' section has 'Cross-report' set to 'Off' and 'Keep all filters' set to 'On'.

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

The screenshot shows the Power BI interface. On the left, the 'Column tools' pane is open, showing the 'Sort by column' dropdown menu. The 'ShowValueAs' field is selected, and the 'DivideBy' option is highlighted. On the right, the 'Fields' pane shows a list of fields. The 'ShowValueAs' field is highlighted in blue.

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

ShowValueAs

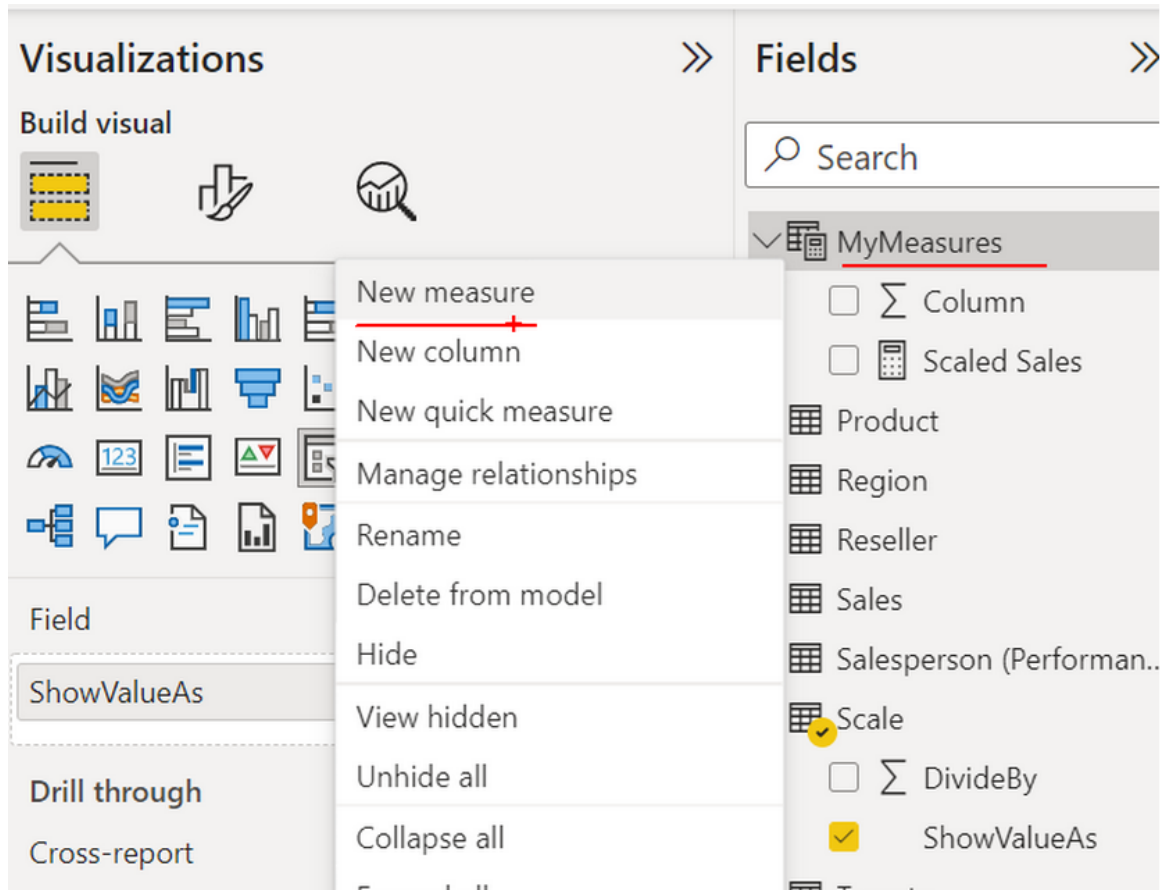
☐ Real Value

☐ Thousands

☒ Millions

☐ Billions

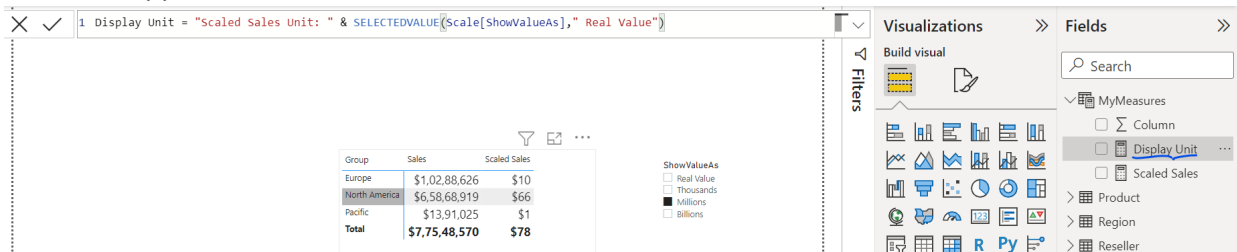
9. Right click on MyMeasures | New Measure



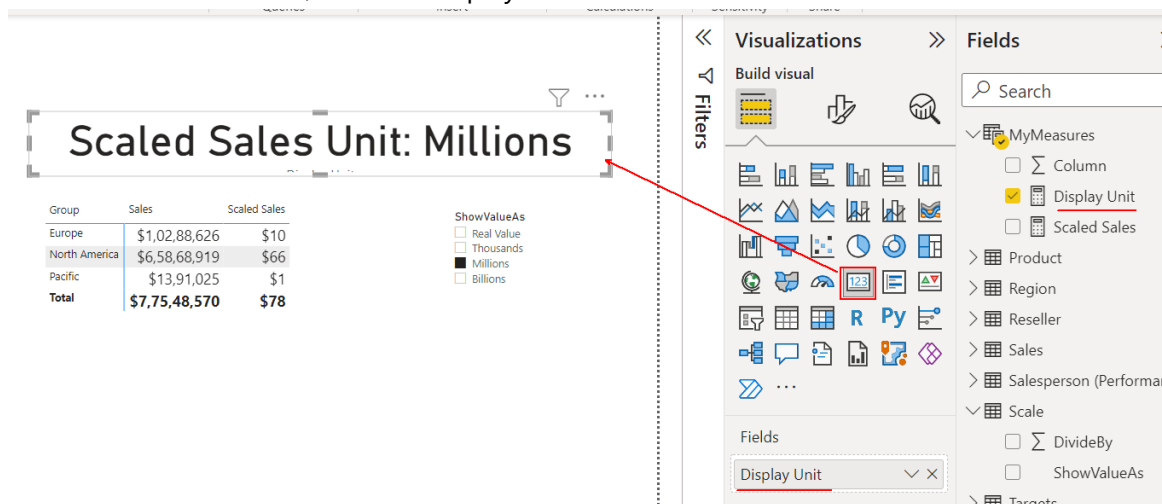
and enter the formula as follows

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

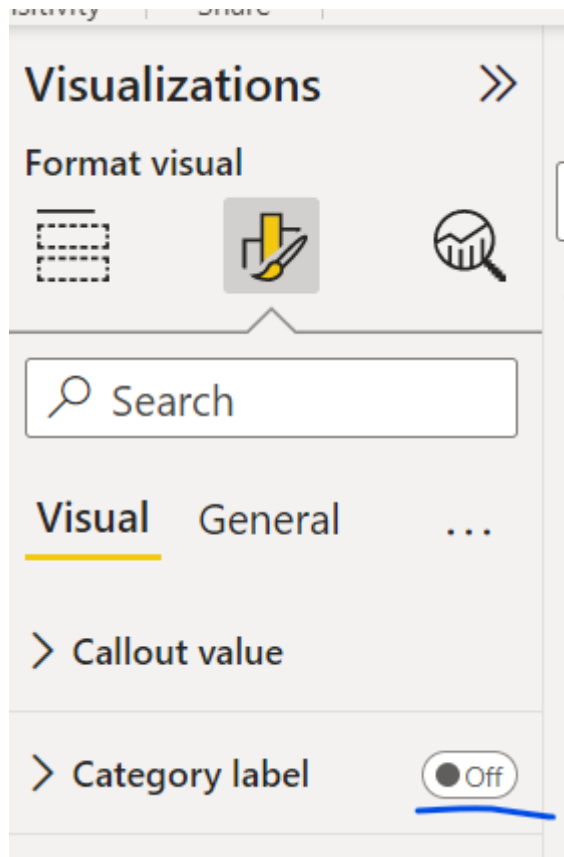
and it will appear as follows



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



11. Click on Format icon and hide Category Label



and specify the size

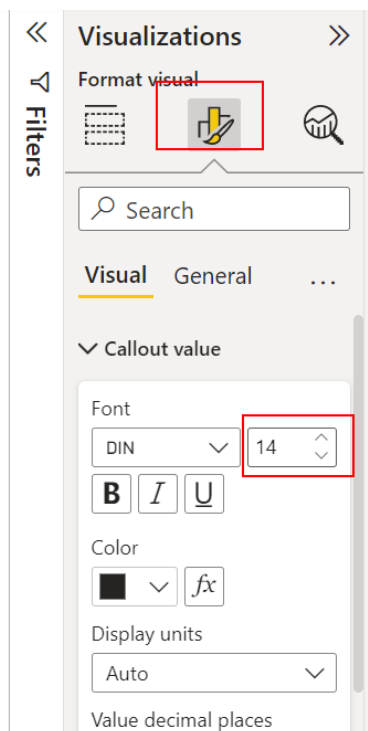
+

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



and it will appear as follows

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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 exexpected

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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