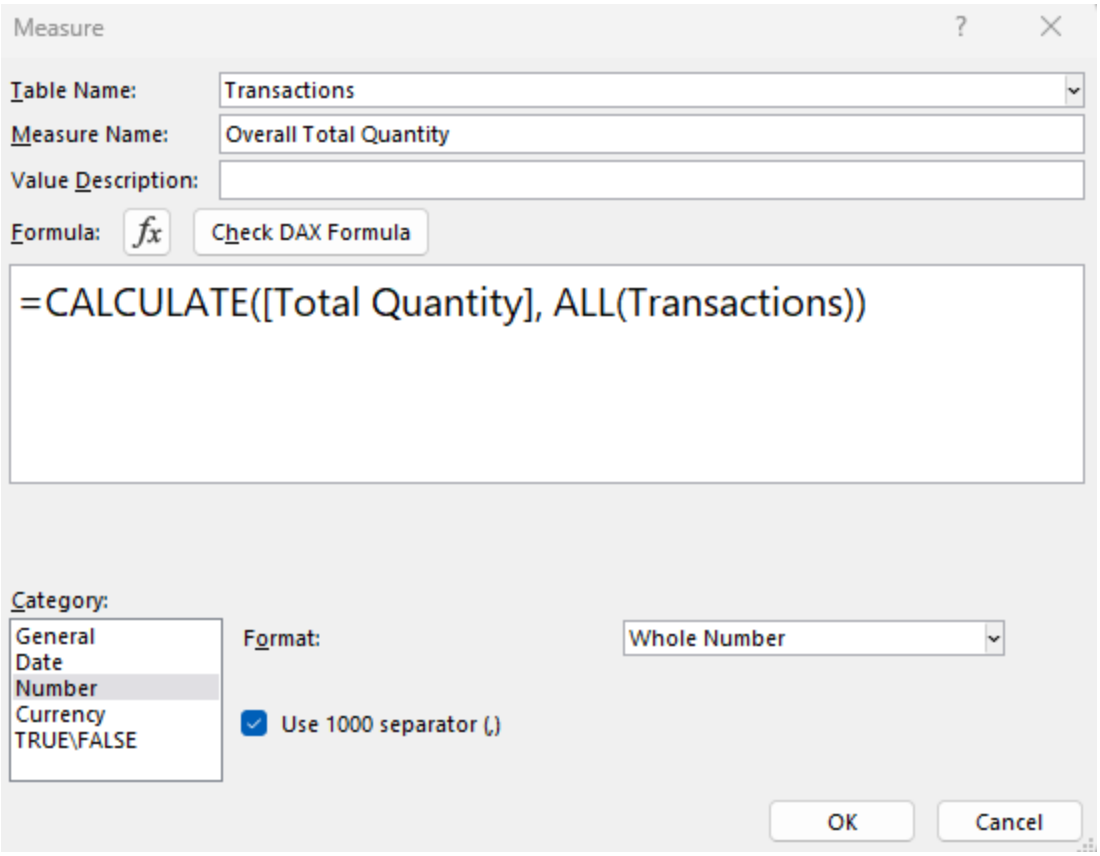
Project CALCULATE, FILTER & ALL

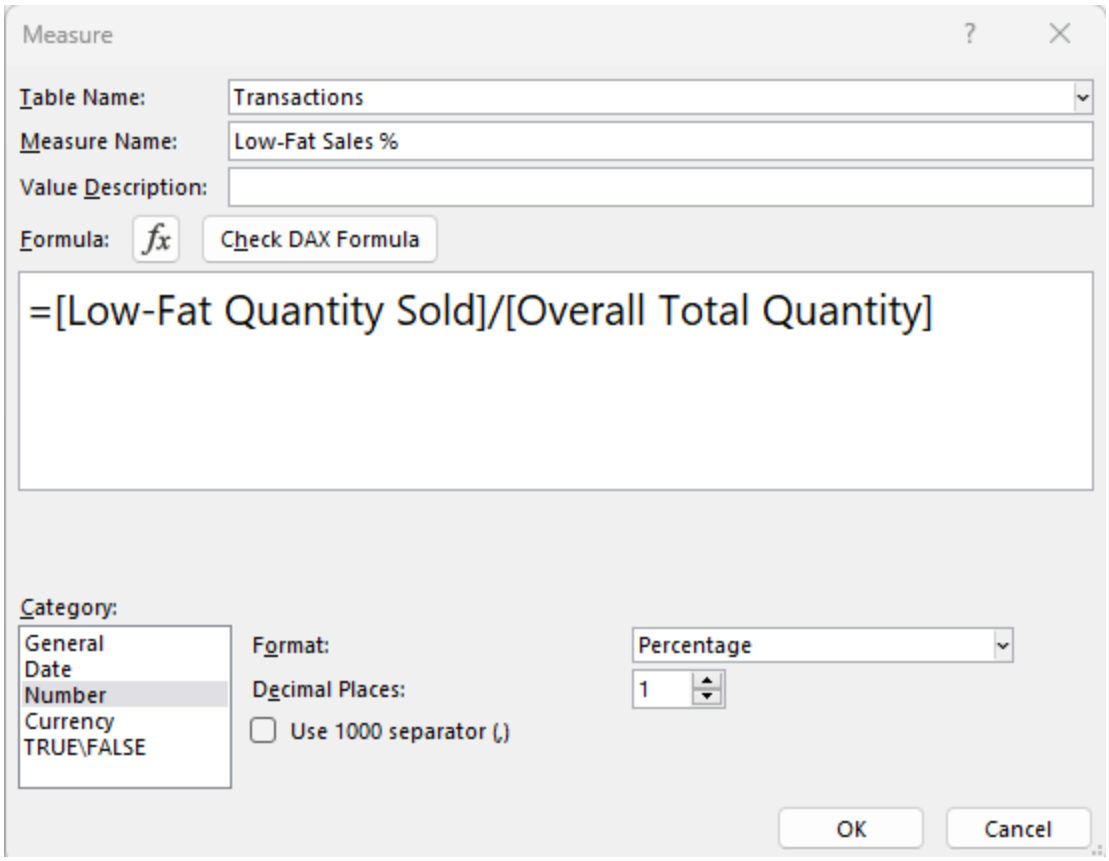
1) Use **CALCULATE** to create a new measure that evaluates the total quantity of Low-Fat products sold (**[Low-Fat Quantity Sold]**). What was the total Low-Fat quantity sold for "High Top" product brand products?

→ High Top : 10,635

2) Use **CALCULATE** and **ALL** to create a new measure that always returns the *overall* total quantity (**[Overall Total Quantity]**)



- Divide **[Low-Fat Quantity Sold]** by **[Overall Total Quantity]** to calculate a new measure named **[Low-Fat Sales %]**



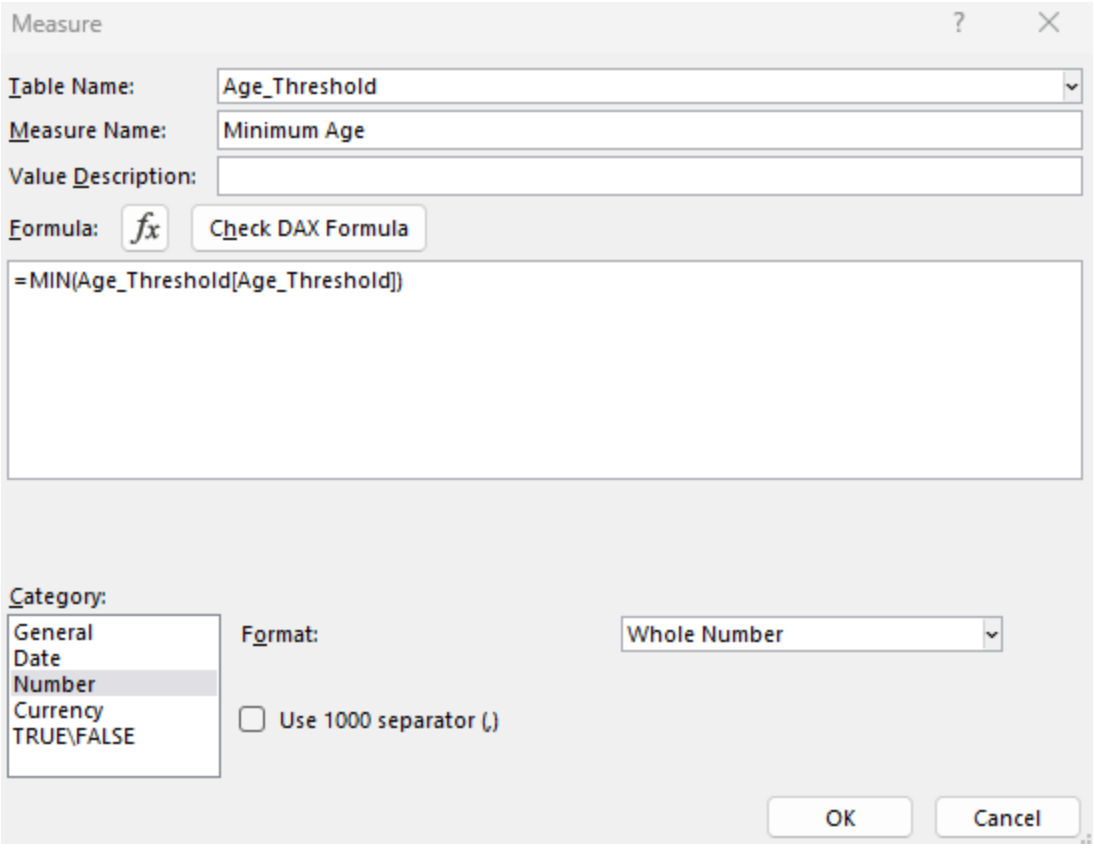
- Update your PivotTable layout to show **[Low-Fat Sales %]** by *customer_country*. Which country accounts for the largest share of low-fat products sold? The smallest share?

	Row Labels	Low-Fat Sales %
3	Row Labels	Low-Fat Sales %
4	Canada	2.1%
5	Mexico	9.6%
6	USA	23.7%
7	**Grand Total**	**35.4%**
8		

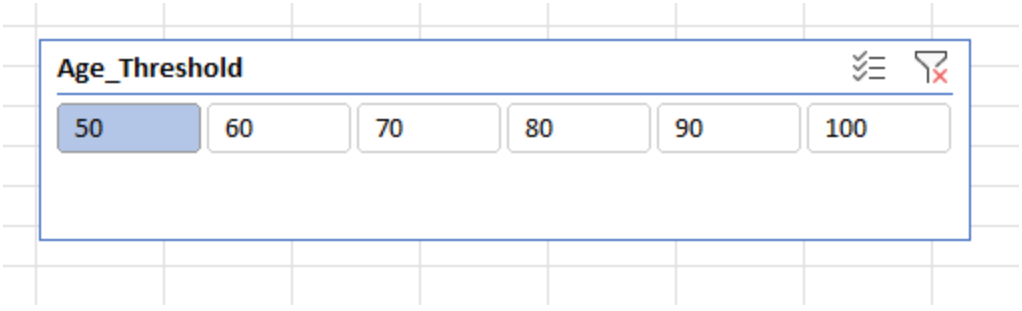
→ ***USA*** *(23.73%),* ***Canada*** *(2.07%)*

3) Create a new Excel table named **Age_Threshold** in a new worksheet, with a column header named *Age_Threshold* and the following row values: **50, 60, 70, 80, 90, 100.**

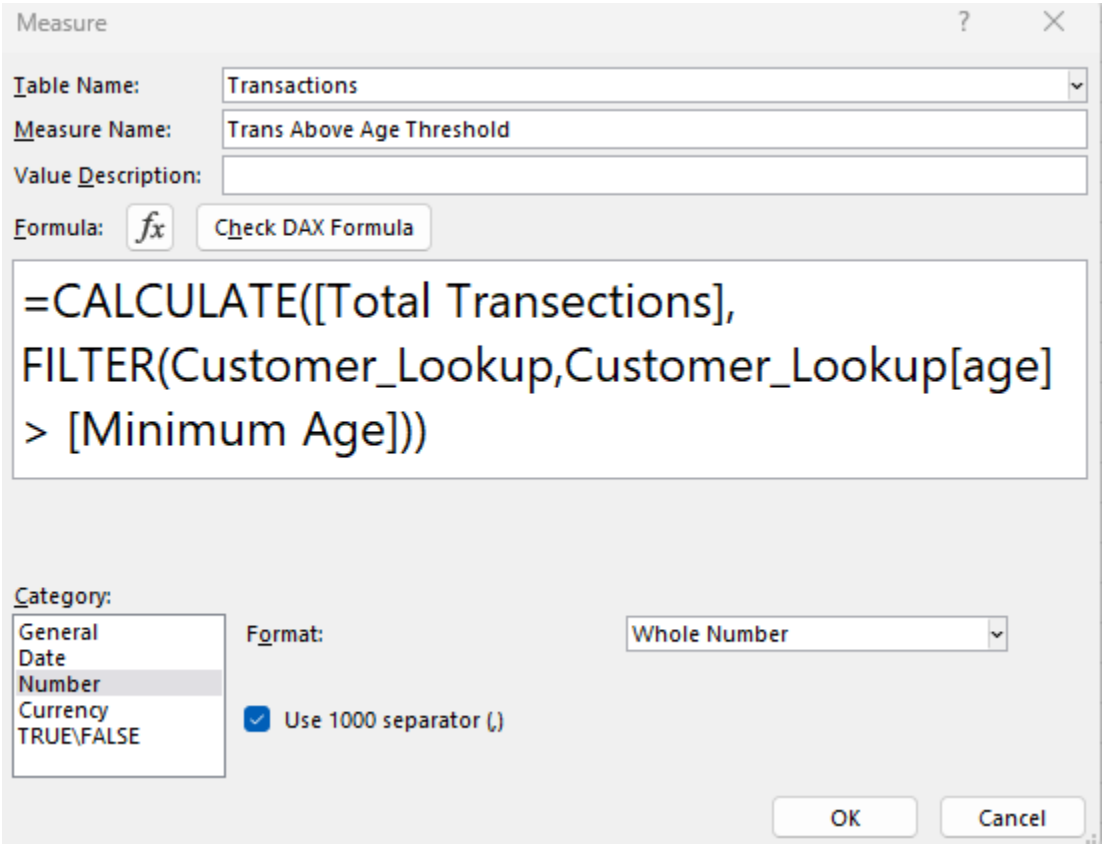
- Load the table to the data model, but leave it disconnected from other tables
- Drag *Age_Threshold* into a PivotTable as a **slicer**
- Create a new measure to "harvest" the minimum slicer value selected (**[Minimum Age]**)



- Pull **[Minimum Age]** into the pivot and confirm that the values update with each slicer selection



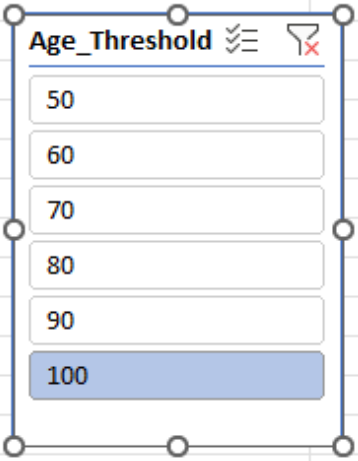
- Create a new measure to calculate the total transactions for customers older than the selected threshold (**[Trans Above Age Threshold]**)



4) Update your PivotTable layout to show **[Minimum Age]** and **[Trans Above Age Threshold]** on values, with *customer_city* on rows.

- Add **conditional formatting** to bring the transaction values to life -- your choice!

Row Labels	Minimum Age	Trans Above Age Threshold
Acapulco	100	1,222
Albany	100	763
Altadena	100	336
Anacortes	100	176
Arcadia	100	403
Ballard	100	366
Beaverton	100	468
Bellflower	100	454
Bellingham	100	235
Berkeley	100	61
Beverly Hills	100	375
Bremerton	100	1,396
Burbank	100	334
Burien	100	257
Burlingame	100	57
Burnaby	100	275
Camacho	100	1,559
Chula Vista	100	235
Cliffside	100	43
Colma	100	38
Concord	100	40
Coronado	100	348
Corvallis	100	1,064
Daly City	100	36
Downey	100	343
Edmonds	100	136
El Cajon	100	337
Everett	100	301



- How many transactions were there in **Coronado** among customers above the age threshold of **80**? How about in **Royal Oak**, among customers older than **100**?

→ Coronado , 649

→ Royal Oak , 39