**Sales**

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Unit Price** | **Quantity** | **X** |
| A | 2 | 5 | 10 |
| A | 3 | 6 | 18 |
| A | 2 | 10 | 20 |
| B | 5 | 2 | 10 |
| B | 10 | 3 | 30 |

Total = SUMX(

Sales,

Sales[Unit Price] X Sales[Quantity])

|  |  |
| --- | --- |
| **Category** | **Total** |
| A | 48 |
| B | 40 |
| **Total** | **88** |

SUMX introduces a row context

SUMX does have a filter context

Filter Context for Category A = iterates only over 3 rows

The **Total** line (row) in a Table is another Calculation (without any filters being applied)

Example: The total is not a sum of the two values (Category A & B) 🡪 it is performing another calculation

Note: Many times these values (Total) can be different than the sum of the two Category totals because it can have another context that does not sum to these values.