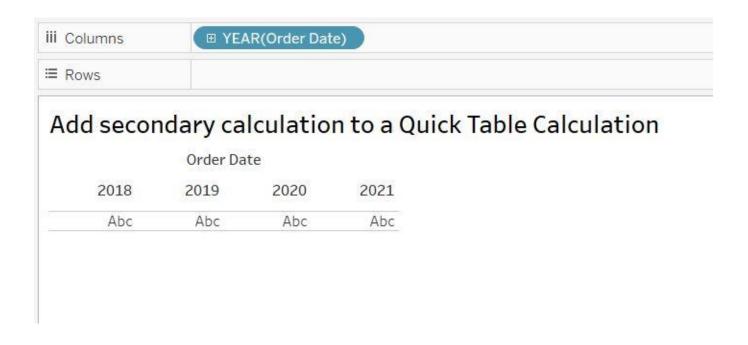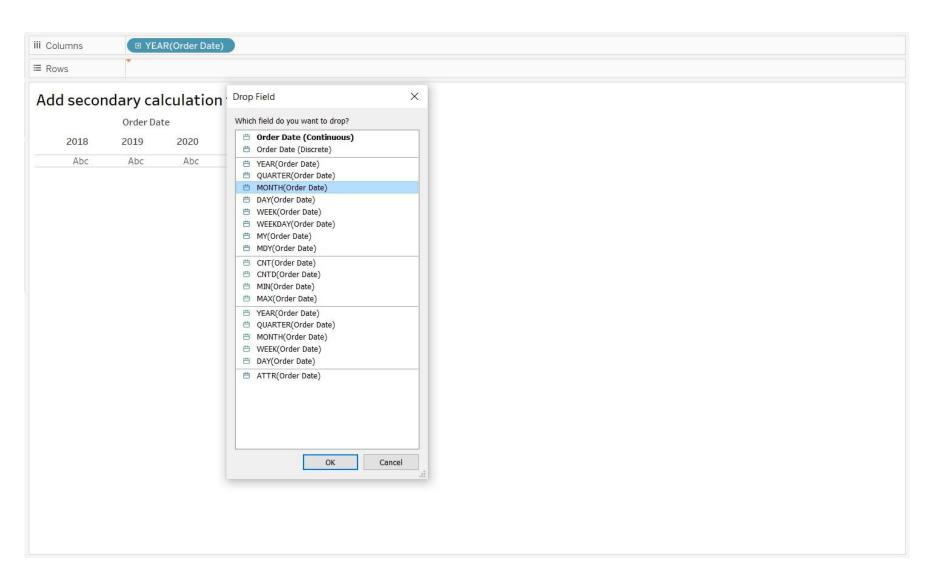# ADD A SECONDARY CALCULATION

With **Running Total** and **Moving Calculation** table calculations,
we have the option to transform values **twice** to obtain the result that we want that
is, to add a **secondary table calculation** on top of the **primary table calculation**.

For example, we could add an initial table calculation to calculate the running total for
sales for a month-on-month basis within each individual year, and then a secondary
calculation to calculate the year-over-year percent of total (to find the contribution of
each year).

STEPS TO ADD A SECONDARY CALCULATION

Step 1: Drag and drop **Order Date** to **Columns** Shelf

STEPS TO ADD A SECONDARY CALCULATION

Step 2: Right-click and drag & drop **Order Date** to **Rows** Shelf,
Select **MONTH** date part

STEPS TO ADD A SECONDARY CALCULATION

Step 3: MONTH(Order Date) is now in **Rows** Shelf

STEPS TO ADD A SECONDARY CALCULATION

Step 4: Double-click **Sales** from Data pane

Pages		iii Columns	⊞ YEAR(Order Date)
		≣ Rows	⊞ MONTH(Order Da..

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T SUM(Sales)

Add secondary calculation to a Quick Table Calculation

Month of Order Date	Order Date			
	2018	2019	2020	2021
January	14,237	18,174	18,542	43,971
February	4,520	11,951	22,979	20,301
March	55,691	38,726	51,716	58,872
April	28,295	34,195	38,750	36,522
May	23,648	30,132	56,988	44,261
June	34,595	24,797	40,345	52,982
July	33,946	28,765	39,262	45,264
August	27,909	36,898	31,115	63,121
September	81,777	64,596	73,410	87,867
October	31,453	31,405	59,688	77,777
November	78,629	75,973	79,412	118,448
December	69,546	74,920	96,999	83,829

STEPS TO ADD A SECONDARY CALCULATION

Step 5: Right-click **Sales, Quick Table Calculation > Running Total**

STEPS TO ADD A SECONDARY CALCULATION

Step 6: Running Total for **Sales** is now present

STEPS TO ADD A SECONDARY CALCULATION

Step 7: From **Analytics** pane double-click **Totals**

STEPS TO ADD A SECONDARY CALCULATION

Step 8: Right-click **Sales, Edit Table Calculation**

STEPS TO ADD A SECONDARY CALCULATION

Step 9: Table Calculation dialog box appears

STEPS TO ADD A SECONDARY CALCULATION

Step 10: Select **Compute Using > Specific Dimensions > Month of Order Date**

STEPS TO ADD A SECONDARY CALCULATION

Step 11: Running Total for **Sales** for a Month-on-Month basis within each year (since the **Compute Using** is done using **Month of Order Date**)

| Pages | | iii Columns | ⊞ YEAR(Order Date) |
| | | ☰ Rows | ⊞ MONTH(Order Da.. |

Add secondary calculation to a Quick Table Calculation

| | | | Order Date | | |
Month of Order Date	2018	2019	2020	2021	Grand Total
January	14,237	18,174	18,542	43,971	94,925
February	18,757	30,125	41,521	64,273	154,676
March	74,448	68,852	93,237	123,145	359,682
April	102,743	103,047	131,987	159,666	497,444
May	126,391	133,179	188,975	203,928	652,473
June	160,987	157,976	229,319	256,909	805,191
July	194,933	186,741	268,581	302,174	952,429
August	222,842	223,640	299,697	365,295	1,111,473
September	304,620	288,236	373,107	453,161	1,419,123
October	336,073	319,640	432,795	530,938	1,619,446
November	414,702	395,613	512,207	649,386	1,971,907
December	484,247	470,533	609,206	733,215	2,297,201
Grand Total	484,247	470,533	609,206	733,215	2,297,201

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STEPS TO ADD A SECONDARY CALCULATION

Step 12: Right-click **Sales**, **Edit Table Calculation**
Select the **Add secondary calculation**

STEPS TO ADD A SECONDARY CALCULATION

Step 13: Select **Secondary Calculation Type** as **Percent of Total**
Select **Compute Using** > **Specific Dimensions** > **Year of Order Date**

STEPS TO ADD A SECONDARY CALCULATION

Step 14: Now we have a secondary calculation of Year-over-Year Percent of Total for **Sales** (to find the Sales % contribution of each year)

Pages	iii Columns	⊞ YEAR(Order Date)
	≡ Rows	⊞ MONTH(Order Da..

Add secondary calculation to a Quick Table Calculation

Month of Order Date	2018	2019	2020	2021	Grand Total
January	15.00%	19.15%	19.53%	46.32%	100.00%
February	12.13%	19.48%	26.84%	41.55%	100.00%
March	20.70%	19.14%	25.92%	34.24%	100.00%
April	20.65%	20.72%	26.53%	32.10%	100.00%
May	19.37%	20.41%	28.96%	31.25%	100.00%
June	19.99%	19.62%	28.48%	31.91%	100.00%
July	20.47%	19.61%	28.20%	31.73%	100.00%
August	20.05%	20.12%	26.96%	32.87%	100.00%
September	21.47%	20.31%	26.29%	31.93%	100.00%
October	20.75%	19.74%	26.72%	32.79%	100.00%
November	21.03%	20.06%	25.98%	32.93%	100.00%
December	21.08%	20.48%	26.52%	31.92%	100.00%
Grand Total	21.08%	20.48%	26.52%	31.92%	100.00%

(Order Date column header spans 2018, 2019, 2020, 2021)

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