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Customers School Supplier Report

About:

Customer needs to purchase supplies for their next semester at California State University Sacros. Customer has provided a document, listing the items needed, the quantity of items needed, and a sample detailing the cost between three suppliers. Since Customer has limited financial resources, Customer wants to determine which supplier is the most cost-efficient choice.

Duties:

- 1) Create a new column, called *prod_type_id*. The column should extract the product id, from *product*, column and store it as "NE" or "E".
- 2) Create a new column, that identifies the products as "Non-Electronic" & "Electric", based on the type of product it is. Use "VLOOKUP" to fill this column. Name this column Product Type.
- 3) Create A bar chart & Hierarchy chart.
 - a. Ensure Horizontal Axis Names is equal to *Product* column.
- 4) Determine the Total Cost per supplier based on the customers quantity requirement.
- 5) Create a Simple Pivot Table, to determine how much Electronics are totaled per supplier.
- 6) *Question*: Which product takes most of financial resources?
- 7) *Questions*: which supplier is most cost-efficient?

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Duties 1 & 2:

Product	Prod_Type_ID	Product Type	Walt-Mart	Dollar Trap	Office Repo	Amount (x)
NE_100pg Notebook	NE	Non-Electronic	\$ 1.80	\$ 1.00	\$ 2.00	3
NE_2 inch Binder	NE	Non-Electronic	\$ 1.25	\$ 3.25	\$ 2.15	1
E_5GB USB	E	Electronic	\$ 9.50	\$ 14.00	\$ 13.00	7
NE_8 color markers	NE	Non-Electronic	\$ 4.55	\$ 2.55	\$ 6.00	1
NE_8 oz Glue	NE	Non-Electronic	\$ 1.20	\$ 0.80	\$ 1.50	2
NE_Ball-Point Pen	NE	Non-Electronic	\$ 0.50	\$ 0.40	\$ 1.40	2
NE_Clear Tape	NE	Non-Electronic	\$ 2.40	\$ 1.40	\$ 2.40	10
NE_Compass	NE	Non-Electronic	\$ 1.75	\$ 2.00	\$ 1.00	4
NE_Eraser	NE	Non-Electronic	\$ 0.90	\$ 0.20	\$ 0.80	1
NE_Liquid Paper	NE	Non-Electronic	\$ 2.00	\$ 1.00	\$ 3.00	1
NE_no.2 Penciles	NE	Non-Electronic	\$ 0.99	\$ 0.59	\$ 2.59	1
NE_Planner book	NE	Non-Electronic	\$ 3.90	\$ 5.00	\$ 8.00	1
NE_Protractor	NE	Non-Electronic	\$ 1.00	\$ 2.00	\$ 1.00	1
NE_stapler	NE	Non-Electronic	\$ 4.20	\$ 2.20	\$ 3.00	1
E_Ti-35 Calculator	E	Electronic	\$ 28.00	\$ 33.00	\$ 31.00	1

Report:

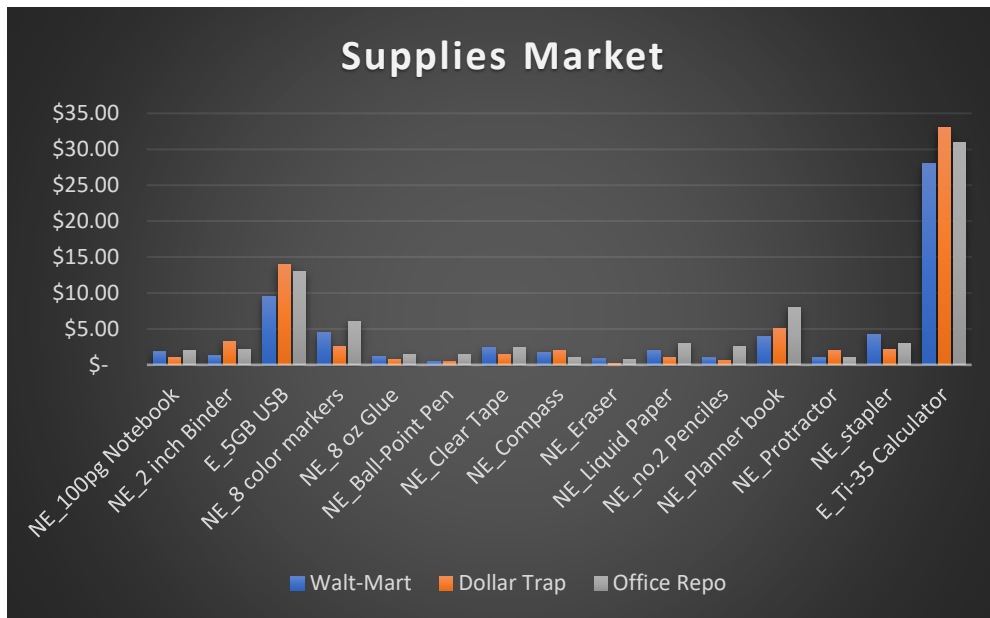
As customer requested, two columns were successfully created. *Prod_Type_ID* & *Product Type* Columns. Both Columns detailing important information for identification of product type, and ID classification.

Functions Used:

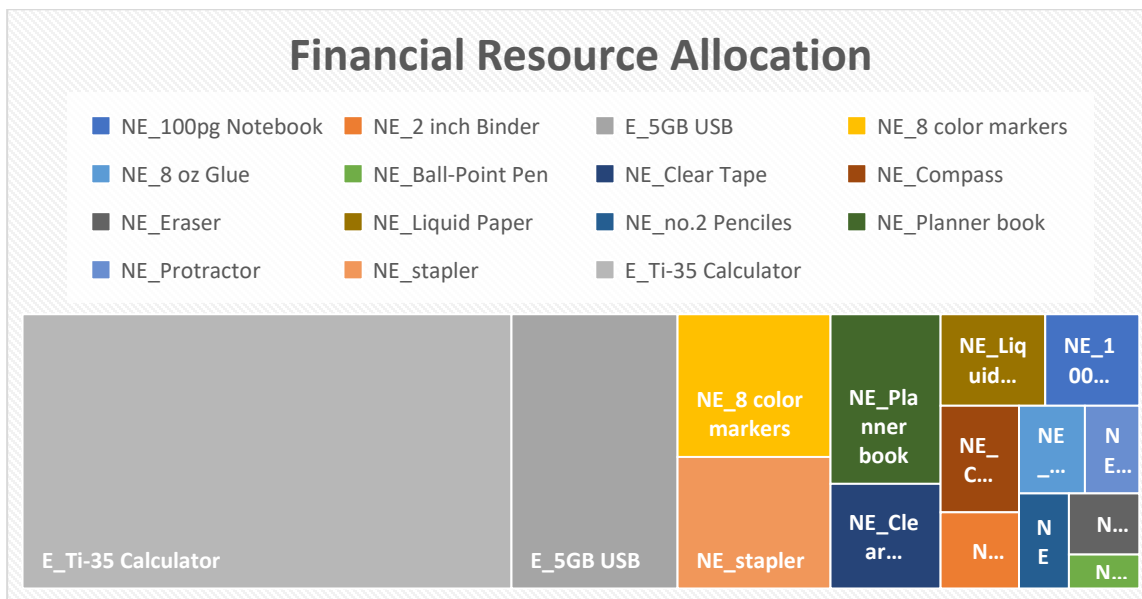
- IF ()
- LEFT ()
- VLOOKUP ()

Duties 3 & 4 begin next page...

Duties 3 & 4:



Bar chart data of product type & cost of product type(s). Supplier market seems to spike on electronic purchases, across all suppliers.



A hierarchy chart observes financial resource allocation, in overall purchase.

Duties 4 & 5:

	Walt-Mart	Dollar Trap	Office Repo
Total:	 \$ 153.09	 \$ 175.19	 \$ 188.34

The total cost per item & Quantity for every supplier, indicated by customer, is shown (above) for each supplier.

Row Labels		Sum of Walt-Mart	Sum of Dollar Trap	Sum of Office Repo
Electronic	\$	37.50	\$ 47.00	\$ 44.00
E_5GB USB	\$	9.50	\$ 14.00	\$ 13.00
E_Ti-35 Calculator	\$	28.00	\$ 33.00	\$ 31.00
Non-Electronic	\$	26.44	\$ 22.39	\$ 34.84
NE_100pg Notebook	\$	1.80	\$ 1.00	\$ 2.00
NE_2 inch Binder	\$	1.25	\$ 3.25	\$ 2.15
NE_8 color markers	\$	4.55	\$ 2.55	\$ 6.00
NE_8 oz Glue	\$	1.20	\$ 0.80	\$ 1.50
NE_Ball-Point Pen	\$	0.50	\$ 0.40	\$ 1.40
NE_Clear Tape	\$	2.40	\$ 1.40	\$ 2.40
NE_Compass	\$	1.75	\$ 2.00	\$ 1.00
NE_Eraser	\$	0.90	\$ 0.20	\$ 0.80
NE_Liquid Paper	\$	2.00	\$ 1.00	\$ 3.00
NE_no.2 Penciles	\$	0.99	\$ 0.59	\$ 2.59
NE_Planner book	\$	3.90	\$ 5.00	\$ 8.00
NE_Protractor	\$	1.00	\$ 2.00	\$ 1.00
NE_stapler	\$	4.20	\$ 2.20	\$ 3.00
Grand Total	\$	63.94	\$ 69.39	\$ 78.84

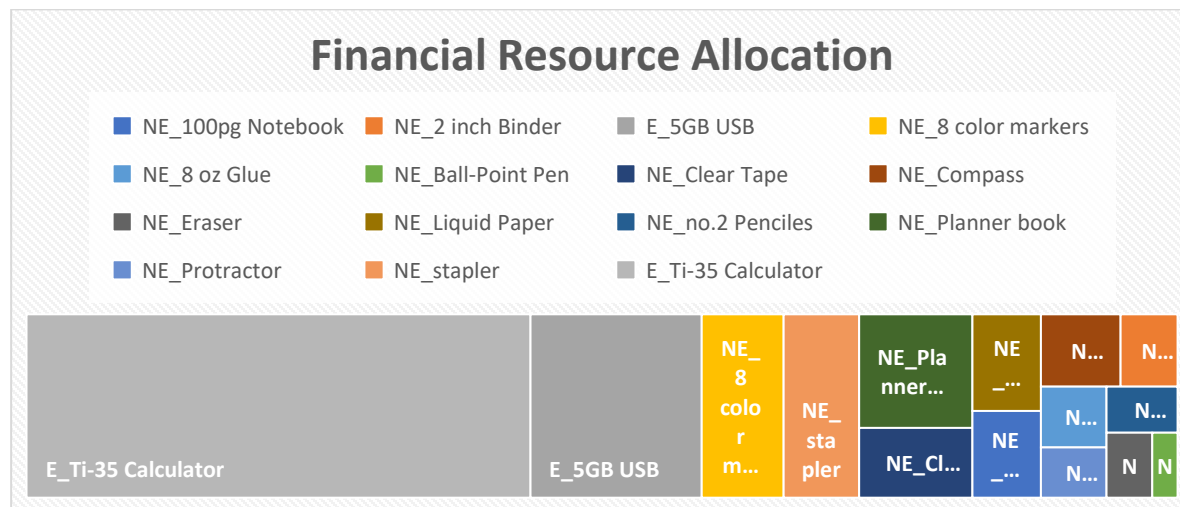
As requested by customer, a pivot table created from Sheet 1, detailing the total cost of NE and E categories. Quantity not considered in this calculation. However, Pivot tables give's general insight into prices.

Duties 6 & 7:

Questions

Question: Which product takes most of financial resources?

- The product, calculator, accounts for most of the financial resources. When accounting for the electronic category, as a whole, the electronic category accounts for most financial resource allocation.



Note: The two large grey rectangles (electronic products)

Questions: which supplier is most cost-efficient?

- Walt-Mart is the most cost-efficient supplier for school supplies. At \$153.09, it is \$22.10 dollars cheaper than Dollar Trap, and \$36.25 dollars cheaper than Office Repo.

	Walt-Mart	Dollar Trap	Office Repo
Total:	\$ 153.09	\$ 175.19	\$ 188.34

Summary

From the research conducted, the concluding analysis was that Walt-Mart is the best supplier out of the three suppliers. While Walt-Mart may have more mid-expense items in the non-electronic category, their total prices remain low, due to their inexpensive *electronic* products.

Although Electronics allocate for most of the financial resources, according to the customers need, Walt-Mart is able to capture the market with its low prices in this category of suppliers. In conjunction with this, walt-Mart has some competitive prices on non-electronic products as well (though very few).

NE_Planner book	\$	3.90	\$	5.00	\$	8.00
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For example, the *NE_Planner book*, is \$2-5 dollars cheaper (refer to image above) than its competitor prices. Because students strive to remain organized, a crucial product such as a planner, with the growing use of technology, certainly leads Walt-Mart to be most appealing in attracting customers (in addition to their prices on such crucial supplies).

In conclusion, the Customer should choose Walt-Mart as their choice of suppliers, when purchasing products. Their savings on crucial items such as the Planner Book, USB Drive, and Ti-35 Calculator, is most appealing.