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- Basics of Function and Formulas
- Aggregation Functions
 - SUMIF
 - COUNTIF
- Lookup & Reference Functions
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- Date & Time Functions
 DATEDIF

3 Basics of Functions and Formulas

How to find, interpret and use Excel's Functions

Function vs. Formula in Excel

- A Function is built-in calculation within the spreadsheet application
 - Enabled when a user types an equals sign followed by predefined names, or clicks on the Σ sign, and/or fx symbol
 - Building blocks of a formula
- A Formula is a user defined equation
 - Also denoted by an equal sign in the Formula Bar
 - Uses a function, or functions, to perform a specified task

Built-in Functions

- Excel contains over 500 built-in functions that allow us to perform actions to evaluate data.
- These built-in functions cover topics such as, but not limited to:
 - Finance, Logic, Text, Date & Time, Lookup & Reference, Math & Trig., Statistical, Engineering, Cube, etc.



Built-in Functions (cont.)

- 6
- Worksheet formulas can be entered by typing an equal sign in a cell and typing out the function's name.



The Sigma symbol, Σ, on the Formula Tab gives us a list of commonly used functions. File Home Insert Draw Page Layout Formulas

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Built-in Functions (cont.)

The Insert Functions icon, *fx*, on the Formula Tab can also be used to insert functions. It will provide a list of functions to choose from.





Built-in Functions (cont.)

- 8
- Built-in Functions can also be accessed when a user clicks on the *fx* (Insert Function) button in the "Formula Bar" on the Home Tab.

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Built-in Functions Syntax

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- =Function_Name(Cell Reference Beginning: Cell Reference End,Criteria1,...)
- All functions start with =
- The Function_Name tells Excel what calculation we're performing.
- Functions contain "arguments" that tell Excel what information to gather when doing calculations.

Arguments are separated by a comma (,).

- Cell references are separated by the colon (:)
 - represent the range of cells evaluated
 - can be either columns, row or both.

Built-in Functions Syntax (Cont.)

□ =**SUM**(*number1*,[*number2*],...)

- number 1: The first argument we want to add. The number can be a number like 4, a cell reference like B6, or a cell range like B2:B8
- number 2: This is the second argument we want to add
 - We can specify up to 255 numbers, cells and/or cell ranges in this way

□ =*SUM*(C3:C33,E3:E33)

 A formula to sum the values in the cell ranges C3 through C33 and E3 through E33

Nested Functions

- Using a function as one of the arguments within another function is called "nesting"
 - We can nest up to 64 levels of functions in a formula
- Nesting functions allows for complex calculations to be performed in one cell
 - Drawbacks auditing formula for operator's errors
 - The more complex the string of functions becomes within Excel's tiny Formula Bar, the harder it will become to pick out a typo like a period instead of a comma being used to separate arguments

Nested Functions (Cont.)

- Example of nested functions:
 - IF(AND(OR(\$C\$51="HOLD HARMLESS", \$C\$51="N/A -SUPPRESSED"),\$E\$51="HOLD HARMLESS"),"", TRUNC(G21*E31,0))
- Doesn't make much sense at first glance, but let's translate the formula to plain language
 - If Cell C51 contains the text "HOLD HARMLESS" or "N/A SUPPRESSED", and Cell E51 contains the text "HOLD HARMLESS", return a blank (""), otherwise truncate (*TRUNC*) the product of Cells G21 and E31 with no decimal places
- Four functions combined to perform logical evaluations and mathematics within one cell

Cell References & Ranges

- A Cell Reference denotes a cell's location within an Excel worksheet
 - A1 = A cell located in Column A, Row 1
- A Cell Range is a block of data in a range of cells, denoted by a colon (:) between two cell references
 - A1:A10 = A cell range to be examined inclusive of cells A1 through A10
- Types of Cell References:
 - Relative, Mixed and Absolute

Types of Cell References

Relative Cell References

- Cell A12 contains the following: SUM(A1:A11)
- If we copy this formula to Cell E24, the formula will change to SUM(E13:E23)
- Mixed Cell References
 - Cell A12 contains the following: SUM(A\$1:A\$11)
 - If we copy this formula to Cell E24, the formula will become SUM(E\$1:E\$11)
- Absolute Cell References
 - Cell A12 contains the following: SUM(\$A\$1:\$A\$11)
 - If we copy this formula to Cell E24, the formula will remain as SUM(\$A\$1:\$A\$11)



Summations, Averages and Counts

Aggregation Functions

- Today we will examine two basic aggregation functions
 - SUMIF and COUNTIF
- Level of Difficulty = Beginner
- These functions add or count values based upon criteria set by the user
 - Most useful when we want to add up or count similar items in a large dataset without the need to manipulate the dataset
 - Each time we manipulate a dataset, there is the possibility of corrupting the data

SUMIF Syntax

SUMIF(range, criteria, [sum_range])

- range = The range of cells that you want evaluated by criteria
 - Where do we want to look?
- criteria = The criteria in the form of a number, expression, a cell reference, text, or a function that defines which cells will be added
 - What are we looking for?
- sum_range = The actual cells to add
 - What values are we adding together once we find the criteria?
- □ <u>Example</u>: =*SUMIF*(B2:B5, "John", C2:C5)
 - Translation: Look for the text label "John" in the cell range B2 through B5, and add the corresponding cells in the range C2 through C5

COUNTIF Syntax

=COUNTIF(range, criteria)

- range = The range of cells that you want evaluated by criteria
 - Where do we want to look?
- criteria = The criteria in the form of a number, expression, a cell reference, text, or a function that defines which cells will be counted
 - What are we looking for?

□ <u>Example</u>: =*COUNTIF*(B2:B5, "John")

Translation: Look for the text label "John" in the cell range B2 through B5, and count the number of times is occurs in that range

Application of Aggregation Functions

- Let's use a randomly generated dataset to answer some questions
 - What is the % Of Unassigned F/B to 2024-25 Approved Operating Budget for Alpha County Schools? (Hint: use SUMIF)
 - How many High Needs Schools are within the Sample Population? (Hint: use COUNTIF)
 - The Superintendent of Evergreen CSD wants to know the district's, the County's (Lambda) and the Low Needs Schools' Per Pupil Amounts of Property Tax Revenues, State Aid and Costs of Instruction (Hint: use SUMIF ×12)

SUMIF & COUNTIF Dataset

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							6/30/2024 GE	ENERAL FUND BALA					
STATE ID#	DISTRICT NAME	COUNTY	POVERTY INDEX	ENROLLMENT	2024-25 APPROVED OPERATING BUDGET	ASSETS	LIABILITIES	RESERVES	OTHER FUND BALANCE	UNASSIGNED Fund Balance	SCHOOL TAXES AND TAX ITEMS	STATE AID	INSTRUCTION
000001	ALBANY CSD	ZETA COUNTY	HIGH NEEDS SCHOOL	5,351	110,987,506	52,633,713	15,093,256	24,056,360	4,718,854	8,765,243	62,257,223	42,718,238	55,409,257
000002	ALEXANDER CSD	OMEGA COUNTY	AVERAGE NEEDS SCHOOL	5,073	106,914,570	47,672,659	14,053,822	21,171,456	4,326,474	8,120,907	58,012,438	43,313,995	51,640,557
000003	ALLEN CSD	OMEGA COUNTY	HIGH NEEDS SCHOOL	20,190	415,439,472	151,486,102	43,979,396	68,120,071	13,756,904	25,629,731	226,119,988	166,125,432	205,813,948
000004	ALPINE CSD	OMEGA COUNTY	HIGH NEEDS SCHOOL	40,579	830,878,944	315,457,477	90,772,333	142,382,508	28,686,547	53,616,089	452,759,200	331,247,796	417,532,113
000005	AMHERST CSD	RHO COUNTY	HIGH NEEDS SCHOOL	14,095	292,233,158	124,087,089	36,329,717	55,329,000	11,393,076	21,035,296	158,874,557	116,655,056	147,806,899
000006	ANDERSON CSD	RHO COUNTY	HIGH NEEDS SCHOOL	33,759	693,417,354	246,804,463	70,672,009	111,625,175	22,391,201	42,116,078	376,998,432	276,813,993	348,789,042
000007	ANDOVER CSD	LAMBDA COUNTY	HIGH NEEDS SCHOOL	49,042	1,009,069,894	425,131,310	122,635,206	191,487,730	38,559,926	72,448,448	549,290,806	402,424,549	505,147,914
000008	ARLINGTON CSD	OMEGA COUNTY	AVERAGE NEEDS SCHOOL	7,445	151,716,866	64,915,614	18,861,239	29,013,351	6,031,710	11,009,314	83,252,581	59,329,177	78,352,629
000009	ASHLAND CSD	OMEGA COUNTY	HIGH NEEDS SCHOOL	30,407	624,177,442	248,794,602	71,380,393	112,482,294	22,604,978	42,326,937	338,669,096	250,725,362	315,588,577
000010	ATHENS CSD	ZETA COUNTY	HIGH NEEDS SCHOOL	41,587	856,334,794	320,941,735	92,720,340	144,347,802	29,175,482	54,698,111	467,273,817	340,906,466	430,737,261
000011	AUBURN CSD	LAMBDA COUNTY	HIGH NEEDS SCHOOL	24,502	508,098,766	175,861,278	50,657,561	79,018,803	16,000,606	30,184,308	277,016,925	202,973,707	253,975,905
000012	AUGUSTA CSD	RHO COUNTY	HIGH NEEDS SCHOOL	17,419	361,473,070	158,746,508	45,352,732	71,811,976	14,369,205	27,212,595	196,354,786	144,478,990	180,832,418
000013	AVON CSD	GAMMA COUNTY	AVERAGE NEEDS SCHOOL	8,309	168,008,610	75,790,502	21,823,383	34,346,108	6,824,482	12,796,529	91,256,718	67,204,189	84,853,470
000014	BALDWIN CSD	DELTA COUNTY	AVERAGE NEEDS SCHOOL	5,994	124,224,548	54,880,051	15,933,300	24,595,768	5,023,297	9,327,686	68,208,915	48,951,325	62,754,742
000015	BEDFORD CSD	SIGMA COUNTY	AVERAGE NEEDS SCHOOL	7,829	161,899,206	71,301,101	20,543,885	32,236,831	6,470,484	12,049,901	87,092,270	65,795,014	82,411,049
000016	BELLEVUE CSD	ALPHA COUNTY	LOW NEEDS SCHOOL	1,163	25,455,850	10,559,892	3,372,882	4,316,796	893,092	1,977,122	15,378,879	8,729,440	14,059,383
000017	BENTON CSD	OMICRON COUNTY	AVERAGE NEEDS SCHOOL	9,463	195,500,928	88,380,062	25,773,194	39,423,275	8,114,477	15,069,116	107,303,748	77,074,908	97,974,641
000018	BERLIN CSD	OMICRON COUNTY	HIGH NEEDS SCHOOL	30,408	625,195,676	261,922,959	75,260,890	118,164,102	23,791,041	44,706,926	339,879,505	249,856,793	312,842,358
000019	BETHEL CSD	ALPHA COUNTY	LOW NEEDS SCHOOL	1,592	33,601,722	15,963,775	4,314,256	7,658,782	1,471,421	2,519,316	17,865,771	13,697,725	15,679,133
000020	BLOOMFIELD CSD	ZETA COUNTY	AVERAGE NEEDS SCHOOL	1,873	38,692,892	19,035,576	5,251,325	8,579,203	1,742,804	3,462,244	20,743,988	16,054,165	19,360,231
000021	BRADFORD CSD	RHO COUNTY	HIGH NEEDS SCHOOL	36,150	740,256,118	272,223,386	78,396,757	122,904,837	24,630,198	46,291,594	400,168,999	298,457,510	372,703,741
000022	BRISTOL CSD	DELTA COUNTY	LOW NEEDS SCHOOL	2,464	50,911,700	27,273,449	7,645,154	12,824,860	2,460,475	4,342,960	28,928,908	19,415,661	24,731,567
000023	BURLINGTON CSD	LAMBDA COUNTY	AVERAGE NEEDS SCHOOL	7,301	149,680,398	60,660,139	17,488,202	27,220,084	5,481,460	10,470,393	82,230,700	59,422,008	72,889,088
000024	BUTLER CSD	ZETA COUNTY	HIGH NEEDS SCHOOL	23,839	489,770,554	192,243,770	55,319,539	86,523,504	17,499,841	32,900,886	268,012,143	194,153,766	244,340,475
000025	CALDWELL CSD	SIGMA COUNTY	AVERAGE NEEDS SCHOOL	5,559	115,060,442	50,914,308	14,991,603	22,336,688	4,718,688	8,867,329	61,736,987	47,204,335	57,819,801
000026	CALHOUN CSD	ZETA COUNTY	AVERAGE NEEDS SCHOOL	7,872	163,935,674	74,812,293	21,649,282	33,376,107	6,873,604	12,913,300	90,067,684	64,929,536	81,095,577
000027	CAMBRIDGE CSD	EPSILON COUNTY	HIGH NEEDS SCHOOL	14,902	307,506,668	111,871,081	32,059,077	50,140,629	10,354,968	19,316,407	167,377,004	122,385,333	153,703,848
000028	CAMPBELL CSD	LAMBDA COUNTY	AVERAGE NEEDS SCHOOL	9,239	190,409,758	83,560,856	24,065,368	37,882,511	7,410,738	14,202,239	103,446,456	76,355,486	97,400,669
000029	CANTON CSD	LAMBDA COUNTY	AVERAGE NEEDS SCHOOL	2,522	53,966,402	25,156,676	7,238,743	11,184,883	2,341,741	4,391,309	28,451,944	22,486,535	25,796,188
000030	CARLISLE CSD	ZETA COUNTY	HIGH NEEDS SCHOOL	37,944	780,985,478	279,885,610	80,211,807	126,586,182	25,346,117	47,741,504	424,532,143	312,470,715	392,161,753
000031	CARROLL CSD	RHO COUNTY	HIGH NEEDS SCHOOL	8,761	180,227,418	77,339,414	22,222,291	34,832,495	7,092,329	13,192,299	98,906,483	71,541,980	91,567,069
000032	CENTERVILLE CSD	PI COUNTY	HIGH NEEDS SCHOOL	47,416	974,449,938	407,750,062	117,729,486	183,106,491	37,081,301	69,832,784	529,909,566	389,113,016	489,216,811
000033	CHESTER CSD	LAMBDA COUNTY	AVERAGE NEEDS SCHOOL	1,336	28,510,552	12,812,882	4,014,013	5,755,069	1,165,700	1,878,100	15,125,413	11,382,695	12,522,293
000034	CLAY CSD	ZETA COUNTY	HIGH NEEDS SCHOOL	41,923	863,462,432	320,685,344	92,453,069	144,206,576	29,224,509	54,801,190	469,516,970	345,045,222	433,598,528
000035	CLAYTON CSD	EPSILON COUNTY	HIGH NEEDS SCHOOL	6,204	131,352,186	54,797,502	16,057,191	24,295,683	5,054,949	9,389,679	71,477,317	52,259,916	63,031,804
000036	CLEVELAND CSD	TAU COUNTY	HIGH NEEDS SCHOOL	18,443	377,764,814	152,666,083	43,804,791	69,098,178	13,828,454	25,934,660	205,388,204	150,472,906	189,259,956
000037	CLINTON CSD	SIGMA COUNTY	AVERAGE NEEDS SCHOOL	3,505	74,331,082	38,585,387	10,930,553	17,407,732	3,507,512	6,739,590	43,047,700	27,527,994	38,347,064
000038	COLUMBIA CSD	OMEGA COUNTY	HIGH NEEDS SCHOOL	46,109	950,012,322	382,262,851	110,268,176	172,051,688	34,786,263	65,156,724	515,794,439	380,238,394	475,131,966
000039	COLUMBUS CSD	ZETA COUNTY	LOW NEEDS SCHOOL	1,319	28,510,552	12,829,333	3,940,443	5,797,242	1,146,463	1,945,185	17,419,516	9,098,645	12,246,589
000040	COVINGTON CSD	TAU COUNTY	LOW NEEDS SCHOOL	538	13,237,042	4,996,965	1,211,894	2,411,165	590,329	783,577	6,611,568	6,275,779	5,064,721
000041	CRAWFORD CSD	GAMMA COUNTY	AVERAGE NEEDS SCHOOL	4,413	91,641,060	37,122,195	10,563,717	17,148,045	3,309,632	6,100,801	49,605,816	37,340,842	43,917,881
000042	CUMBERLAND CSD	DELTA COUNTY	LOW NEEDS SCHOOL	706	16,291,744	6,832,941	2,150,660	2,802,456	705,791	1,174,034	10,117,303	4,885,105	8,266,740

SUMIF & COUNTIF Dataset

Unassigned F/B as a % Budget

- 21
- What is the % of Unassigned F/B to 2024-25 Approved Operating Budget for Alpha County Schools?
- <u>Solution</u>: =*SUMIF*(\$D\$4:\$D\$169,\$H\$178, \$L\$4:\$L\$169) divided by *SUMIF*(\$D\$4:\$D\$169, \$H\$178,\$G\$4:\$G\$169)
 - Translation: find "Alpha County" (Cell H178) in Column D. Sum the Unassigned F/Bs for Alpha County in Column L. Divide by the sum of Operating Budget for Alpha County in Column G.
 - □ <u>Answer</u>: 5.65%

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							6/30/2024 G	ENERAL FUND BAL	ANCE SHEET				
TATE ID#	DISTRICT NAME	COUNTY	POVERTY INDEX	ENROLLMENT	2024-25 APPROVED OPERATING BUDGET	ASSETS	LIABILITIES	RESERVES	OTHER FUND BALANCE	UNA SSIGNED FUND BALANCE	SCHOOL TAXES AND TAX ITEMS	STATE AID	INSTRUCTION
0014	SCOTT CSD SHERIDAN CSD	ALPHA COUNTY	AVERAGE NEEDS SCHOOL	5,348	110,987,506	50,355,004	14,474,553	22,377,031	4,688,347	8,815,073	60,776,382 506,611,404	44,000,398	52,953,804
0150	SIDNEY CSD	SIGMA COUNTY	HIGH NEEDS SCHOOL	31,575	647,596,824	241,360,580	69,535,269	108,425,295	22,020,952	41,379,064	350,506,993	260,391,168	325,594,493
0085	SOMERSET CSD SPARTANBURG CSD	LAMBDA COUNTY	LOW NEEDS SCHOOL	36,216	743,310,820 35,638,190	285,384,674	82,431,220 4,335,264	128,136,851 7,583,522	25,937,271	48,879,332	404,188,620	296,651,634	374,425,123
0016	SPRINGFIELD CSD	ALPHA COUNTY	HIGH NEEDS SCHOOL	38,205	783,021,946	322,689,183	92,826,336	145,659,799	29,305,603	54,897,445	426,897,976	311,886,641	392,092,422
0053	STERLING CSD STRATFORD CSD	LAMBDA COUNTY	HIGH NEEDS SCHOOL	4,511	95,713,996 161,899,206	38,103,656 66,118,800	11,110,551 19,055,825	16,856,554 30,110,035	3,457,348	5,679,203 10,968,694	53,376,316 88.671.097	37,491,285 64.264,188	44,042,473 78,414,106
0114	TAYLOR CSD	OMICRON COUNTY	HIGH NEEDS SCHOOL	41,166	845,134,220	319,980,762	91,741,276	144,387,033	29,091,677	54,760,776	460,071,998	336,992,256	423,820,546
0141	TROY CSD	RHO COUNTY	HIGH NEEDS SCHOOL	1,676	33,601,722 190,409,758	17,148,047 82,757,769	4,603,886	8,130,500	1,483,673	2,929,988	17,601,774	14,360,278	16,957,948
0087	WARREN CSD	LAMBDA COUNTY	HIGH NEEDS SCHOOL	6,206	129,315,718	53,569,175	14,845,054	24,527,569	4,890,404	9,306,148	69,701,433	52,770,441	64,755,919
0125	WAYNE CSD	OMICRON COUNTY	HIGH NEEDS SCHOOL	23,726	487,734,086	127,349,311 195,624,150	56,507,855	57,458,416 87,855,337	11,483,626	33,440,578	264,777,150	121,089,482	243,530,038
0017	WEBSTER CSD	ALPHA COUNTY	HIGH NEEDS SCHOOL	40,026	822,733,072	297,311,816	85,297,876	134,606,437	26,925,610	50,481,893	447,478,140	329,062,983	411,178,842
0115	WESTWOOD CSD WILLIAMSBURG CSD	EPSILON COUNTY	HIGH NEEDS SCHOOL HIGH NEEDS SCHOOL	21,800	450,059,428 127,279,250	159,474,821 55,360.097	45,862,661	24.965.437	4,977,154	9.441.219	246,027,654 68,486,427	178,704,326	62,460,553
0054	WILSON CSD	ZETA COUNTY	HIGH NEEDS SCHOOL	24,618	506,062,298	203,463,282	58,412,956	91,833,757	18,584,958	34,631,611	277,499,041	200,358,140	255,798,535
0127	WINDHAM CSD WINDSOR CSD	RHO COUNTY	LOW NEEDS SCHOOL	9,359	191,427,992 14,255,276	93,584,380 5.687,372	26,872,114	42,327,301	8,391,720	15,993,245	104,754,555 8,503,866	75,459,493	97,474,076
0040	WOODLAND CSD	DELTA COUNTY	LOW NEEDS SCHOOL	1,761	35,638,190	16,707,437	4,642,048	7,630,878	1,517,895	2,916,616	20,281,584	13,739,368	17,873,077
0063	YORK CSD	ZETA COUNTY	AVERAGE NEEDS SCHOOL	2,723,593	169,026,844 56,066,000,508	81,706,758 22,249,602,185	6.404.719.634	37,176,427	2.023.678.885	3,794,940,605	94,129,713 30,540,605,494	22.356.785.335	85,113,903
						(COLUMN D)							
			BUDGET FOR ALPHA COUNTY	SCHOOLS?	APPROVED OPERATING	ALPHA COUNTY							
			UNASSIGNED FUND	(COLUMN L)			」 - ひ						
			BALANCE 2024-25 APPROVED	22210101020									
			OPERATING BUDGET	(COLUMN G)									
						(COLUMN E)							
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			, or occasion										
						(COLUMN C)	(COLUMN D)	(COLUMN E)					
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			ITEMS	(COLUMN M)									
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How many High Needs Schools are within the Dataset?

- How many High Needs Schools are within the Sample Population?
- □ <u>Solution</u>: =*COUNTIF*(E4:E169,H184)
 - Translation: find the number of occurrences of "High Needs Schools" (Cell H184) within Column E
 - <u>Answer</u>: 88

							a 2. 1940						
Ho	ome Insert D	Praw Page La	ayout Formulas	Data Revie	ew View Dev	veloper Au	itomate H	elp Data S	streamer l	nquire Po	wer Pivot	Com	ments
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В	C	D	E	F	G	н	6/30/2024 G		K	L	M	Р	Т
					2024-25 APPROVED		013012024 0	CHERAL FUND BAL	OTHER FUND	UNASSIGNED	SCHOOL TAXES		
00013	ROOSEVELT CSD	ALPHA COUNTY	HIGH NEEDS SCHOOL	ENROLLMENT 47,758	OPERATING BUDGET 979,541,108	ASSETS 352.061.908	101,346,537	RESERVES 158,799,853	31,967,604	59,947,914	534,255,366	390,240,023	492,994,598
00039	SALEM CSD	DELTA COUNTY	HIGH NEEDS SCHOOL	35,680	732,110,246	308,486,634	89,218,885	138,538,093	28,036,439	52,693,217	399,280,095	291,192,420	368,095,393
00014	SCOTT CSD SHERIDAN CSD	ALPHA COUNTY	AVERAGE NEEDS SCHOOL	5,348	110,987,506	50,355,004	14,474,553	22,377,031	4,688,347	8,815,073	60,776,382 506,611,404	44,000,398	52,953,804
00150	SIDNEY CSD	SIGMA COUNTY	HIGH NEEDS SCHOOL	31,575	647,596,824	241,360,580	69,535,269	108,425,295	22,020,952	41,379,064	350,506,993	260,391,168	325,594,493
00085	SOMERSET CSD	LAMBDA COUNTY	HIGH NEEDS SCHOOL	36,216	743,310,820	285,384,674	82,431,220	128,136,851	25,937,271	48,879,332	404,188,620	296,651,634	374,425,123
00016	SPRINGFIELD CSD	ALPHA COUNTY	HIGH NEEDS SCHOOL	38,205	783.021,946	322,689,183	92,826,336	145,659,799	29,305,603	54,897,445	426,897,976	311,886,641	392,092,422
00053	STERLING CSD	ZETA COUNTY	AVERAGE NEEDS SCHOOL	4,511	95,713,996	38,103,656	11,110,551	16,856,554	3,457,348	6,679,203	53,376,316	37,491,285	44,042,473
00101	TAYLOR CSD	OMICRON COUNTY	HIGH NEEDS SCHOOL HIGH NEEDS SCHOOL	7,763	161,899,206 845,134,220	66,118,800	19,055,825	30,110,035	5,984,246	10,968,694	88,671,097	64,264,188 336,992,256	78,414,106 423,820,546
00026	TIPTON CSD	GAMMA COUNTY	LOW NEEDS SCHOOL	1,676	33,601,722	17,148,047	4,603,886	8,130,500	1,483,673	2,929,988	17.601.774	14,360,278	16,957,948
00141	TROY CSD	RHO COUNTY	HIGH NEEDS SCHOOL	9,212	190,409,758	82,757,769	23,673,204	37,472,482	7,509,960	9 206 149	104,353,311	75,217,718	97,048,183
00126	WASHINGTON CSD	PI COUNTY	HIGH NEEDS SCHOOL	14,946	305,470,200	127,349,311	36,781,878	57,458,416	11,483,626	21,625,391	166,592,930	121,089,482	154,791,025
00115	WAYNE CSD	OMICRON COUNTY	HIGH NEEDS SCHOOL	23,726	487,734,086	195,624,150	56,507,855	87,855,337	17,820,380	33,440,578	264,777,150	195,271,422	243,530,038
00116	WEBSTER CSD WESTWOOD CSD	ALPHA COUNTY OMICRON COUNTY	HIGH NEEDS SCHOOL	40,026	450.059.428	297,311,816	45 862 661	71,560,561	26,925,610	27 407 134	447,478,140 246.027.654	329,062,983	411,178,842 223,464,971
00049	WILLIAMSBURG CSD	EPSILON COUNTY	HIGH NEEDS SCHOOL	6,167	127,279,250	55,360,097	15,976,287	24,965,437	4,977,154	9,441,219	68,486,427	50,995,451	62,460,553
00054	WILSON CSD	ZETA COUNTY	HIGH NEEDS SCHOOL	24,618	506,062,298	203,463,282	58,412,956	91,833,757	18,584,958	34,631,611	277,499,041	200,358,140	255,798,535
00142	WINDSOR CSD	RHO COUNTY	LOW NEEDS SCHOOL	575	14,255,276	5,687,372	1,624,120	2,927,289	423,155	712,808	8,503,866	5,162,829	3,631,910
00040	WOODLAND CSD	DELTA COUNTY	LOW NEEDS SCHOOL	1,761	35,638,190	16,707,437	4,642,048	7,630,878	1,517,895	2,916,616	20,281,584	13,739,368	17,873,077
00063	TORKCSD	ZETACOUNTY	AVERAGE NEEDS SCHOOL	2 723 593	56 066 000 508	22 249 602 185	6 404 719 634	10 026 263 061	2 023 678 885	3 794 940 605	30 540 605 494	22 356 785 335	28 102 127 142
						(COLUMN D)							
			BUDGET FOR ALPHA COUNTY	SCHOOLS?	APPROVED OPERATING	ALPHA COUNTY							
			UNASSIGNED FUND	(COLUMN L)		\$444 833 394							
			BALANCE 2024-25 APPROVED	,									
			OPERATING BUDGET	(COLUMN G)		\$6,780,420,206							
						6.56%							
			HOW MANY HIGH NEEDS SCH	OOLS ARE WITHIN T	HE SAMPLE	(COLUMN E) HIGH NEEDS	ረን						
			POPULATION?			SCHOOL							
				EDCDEEN CED WAN	TS TO KNOW THE	(COLUMN C)	(COLUMN D)	(COLUMN E)					
			DISTRICT'S PER PUPIL AMOU SCHOOL TAXES AND TAX	INTS OF:	IS TO KNOW THE	EVERGREEN C SD	LAMBDA COUNTY	SCHOOL					
			ITEMS ENROLLMENT	(COLUMN F)					-				
			STATE ND	(COLUMN D)			1						
			ENROLLMENT	(COLUMN F)									
			INSTRUCTION	(COLUMN T) (COLUMN F)									

Ready 🐻 🞇 Accessibility: Investigate

-+ 85%

-

Per Pupil Amounts

- 25
- The Superintendent of Evergreen CSD wants to know the district's, the County's (Lambda) and Low Needs Schools' Per Pupil Amounts of Property Tax Revenues, State Aid and the Costs of Instruction The first two arguments are

- Solution: =**SUMIF**(C\$4:C\$169,I\$185,\$M\$4:\$M\$169) divided by **SUMIF**(C\$4:C\$169,I\$185,\$F\$4:\$F\$169)
 - Translation: Find Evergreen CSD (Cell 1185) in Column C. Add the value(s) for Evergreen CSD's School Tax Revenues in Column M. Divide by Evergreen CSD's Enrollment in Column F
 - Answer: \$12,683
 - We'll perform the same action for State Aid/Pupil and Instructional Expenses/Pupil, and the County and Poverty Index measurements

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В	c	D	E	F	G	н	6/30/2024 G	J ENERAL FUND BAL	ANCE SHEET	L	м	P	
STATE ID#	DISTRICT NAME	COUNTY	POVERTY INDEX	ENROLLMENT	2024-25 APPROVED OPERATING BUDGET	ASSETS	LIABILITIES	RESERVES	OTHER FUND BALANCE	UNASSIGNED FUND BALANCE	SCHOOL TAXES AND TAX ITEMS	STATE AID	INSTRUCTION
00149	ROCHESTER CSD ROOSEVELT CSD	SIGMA COUNTY ALPHA COUNTY	LOW NEEDS SCHOOL HIGH NEEDS SCHOOL	1,581 47,758	34,619,956 979,541,108	16,267,221 352,061,908	4,157,621 101,346,537	7,917,395 158,799,853	1,335,342 31,967,604	2,856,863 59,947,914	17,654,172 534,255,366	14,593,220 390,240,023	18,422,990 492,994,598
00039	SALEM CSD SCOTT CSD	ALPHA COUNTY	HIGH NEEDS SCHOOL AVERAGE NEEDS SCHOOL	35,680 5,348	732,110,246	308,486,634 50,355,004	89,218,885 14,474,553	138,538,093 22,377,031	28,036,439 4,688,347	52,693,217 8,815,073	399,280,095 60,776,382	291,192,420 44,000,398	368,095,393 52,953,804
00015	SHERIDAN CSD	ALPHA COUNTY	HIGH NEEDS SCHOOL	45,316	932,702,344	360,993,721	104,370,103	162,191,516	32,986,351	61,445,751	506,611,404	373,360,204	465,147,006
100085	SOMERSET CSD	LAMBDA COUNTY	HIGH NEEDS SCHOOL	31,575 36,216	743,310,820	285,384,674	82,431,220	128,136,851	25,937,271	41,379,064 48,879,332	404,188,620	296,651,634	325,594,493 374,425,123
000086	SPARTANBURG CSD	LAMBDA COUNTY	LOW NEEDS SCHOOL	1,651	35,638,190	15,994,742	4,335,264	7,583,522	1,543,317	2,532,639	19,178,551 426,897,976	14,877,632	19,250,637
000053	STERLING CSD	ZETA COUNTY	AVERAGE NEEDS SCHOOL	4,511	95,713,996	38,103,656	11,110,551	16,856,554	3,457,348	6,679,203	53,376,316	37,491,285	44,042,473
000101	STRATFORD CSD TAYLOR CSD	DAMEDA COUNTY	HIGH NEEDS SCHOOL	7,763	161,899,206 845,134,220	66,118,800 319,980,762	19,055,825 91,741,276	30,110,035	5,984,246	10,968,694	88,671,097 460,071,998	64,264,188 336,992,256	78,414,106
00026	TIPTON CSD	GAMMA COUNTY	LOW NEEDS SCHOOL	1,676	33,601,722	17,148,047	4,603,886	8,130,500	1,483,673	2,929,988	17,601,774	14,360,278	16,957,948
000141	WARREN CSD	LAMBDA COUNTY	HIGH NEEDS SCHOOL	9,212	190,409,758	53,569,175	14,845,054	24,527,569	4,890,404	9,306,148	69,701,433	52,770,441	64,755,919
00126	WASHINGTON CSD	PI COUNTY	HIGH NEEDS SCHOOL	14,946	305,470,200	127,349,311	36,781,878	57,458,416	11,483,626	21,625,391	166,592,930	121,089,482	154,791,025
00115	WAYNE CSD WEBSTER CSD	ALPHA COUNTY	HIGH NEEDS SCHOOL HIGH NEEDS SCHOOL	40,026	487,734,086 822,733,072	195,624,150 297,311,816	56,507,855 85,297,876	87,855,337	26,925,610	33,440,578 50,481,893	264,777,150 447,478,140	329.062.983	243,530,038 411,178,842
00116	WESTWOOD CSD	OMICRON COUNTY	HIGH NEEDS SCHOOL	21,800	450,059,428	159,474,821	45,862,661	71,560,561	14,644,465	27,407,134	246,027,654	178,704,326	223,464,971
00049	WILLIAMSBORG CSD WILSON CSD	ZETA COUNTY	HIGH NEEDS SCHOOL	24,618	506,062,298	203,463,282	58,412,956	91,833,757	4,977,154 18,584,958	34,631,611	277,499,041	200,358,140	255,798,535
00127	WINDHAM CSD	PICOUNTY	AVERAGE NEEDS SCHOOL	9,359	191,427,992	93,584,380	26,872,114	42,327,301	8,391,720	15,993,245	104,754,555	75,459,493	97,474,076
00142	WINDSOR CSD WOODLAND CSD	DELTA COUNTY	LOW NEEDS SCHOOL	1,761	14,255,276 35,638,190	5,687,372	1,624,120	2,927,289	423,155	2,916,616	8,503,865 20,281,584	5,162,829	3,631,910
00063	YORK CSD	ZETA COUNTY	AVERAGE NEEDS SCHOOL	8,169	169,026,844	81,706,758	23,262,025	37,176,427	7,466,958	13,801,348	94,129,713	65,157,681	85,113,903
				2,120,000	50,000,000,500	22,240,002,100	0,404,718,034	10,020,203,001	2,023,010,003	5,7 54,540,005	30,340,003,434	22,000,100,000	20,102,127,142
		-											
						(COLUMN D)							
			BUDGET FOR ALPHA COUNTY	SCHOOLS?	APPROVED OPERATING	ALPHA COUNTY							
			UNASSIGNED FUND	(COLUMN L)		\$444,833,394							
			BALANCE 2024-25 APPROVED	(00) (0)									
			OPERATING BUDGET	(COLUMN G)		\$6,780,420,206							
						6.56%							
						(COLUMN E)							
			POPULATION?	OOLS ARE WITHIN T	HE SAMPLE	SG-TOOL 88	1						
						(COLUMN C)	(COLUMN D)	(COLUMN E)					
			THE SUPERINTENDENT OF EV	ERGREEN CSD WAN	TS TO KNOW THE	EVERGREENCSD		LOW NEEDS					
			SCHOOL TAXES AND TAX	COLUMN IN		LICHOREEN CSU	Compose Country	UNIOUL					
			ITEMS ENROLLMENT	(COLUMNE)			-						
			LINIVELMENT	(GOLOMINP)			2-						
				(COLUMN P)									
			ENROLLMENT	(COLUMN F)									
							3	8					
			INSTRUCTION	(COLUMN T)									
		-	ENROLLMENT	(COLUMN F)		-							

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В	c	D	E	F	G	н	1 1	J	к	L	M	Р	т
_							6/30/2024 GE	NERAL FUND BALA	ANCE SHEET				
TATE ID#		COUNTY	POVERTY INDEX	ENROLLMENT	OPERATING BUDGET	ASSETS	LIABILITIES	RESERVES	BALANCE	FUND BALANCE	AND TAX ITEMS	STATE AID	INSTRUCTION
00141	TROY CSD	RHO COUNTY	HIGH NEEDS SCHOOL	9,212	190,409,758	82,757,769	23,673,204	37,472,482	7,509,960	14,102,123	104,353,311	75,217,718	97,048,183
00126	WARREN CSD WASHINGTON CSD	PICOUNTY	HIGH NEEDS SCHOOL	14,946	305,470,200	127,349,311	36,781,878	24,527,569 57,458,416	11,483,626	21,625,391	166,592,930	121,089,482	154,791,025
00115	WAYNE CSD WEBSTER CSD	ALPHA COUNTY	HIGH NEEDS SCHOOL HIGH NEEDS SCHOOL	23,726 40,026	487,734,086 822,733,072	195,624,150 297,311,816	56,507,855 85,297,876	87,855,337 134,606,437	17,820,380 26,925,610	33,440,578 50,481,893	264,777,150 447,478,140	195,271,422 329,062,983	243,530,038 411,178,842
00116	WESTWOOD CSD	OMICRON COUNTY	HIGH NEEDS SCHOOL	21,800	450,059,428	159,474,821	45,862,661	71,560,561	14,644,465	27,407,134	246,027,654	178,704,326	223,464,971
00054	WILSON CSD	ZETA COUNTY	HIGH NEEDS SCHOOL	24,618	506,062,298	203,463,282	58,412,956	91,833,757	18,584,958	34,631,611	277,499,041	200,358,140	255,798,535
00127	WINDHAM CSD WINDSOR CSD	PI COUNTY RHO COUNTY	AVERAGE NEEDS SCHOOL LOW NEEDS SCHOOL	9,359	191,427,992 14,255,276	93,584,380 5,687,372	26,872,114 1,624,120	42,327,301 2,927,289	8,391,720 423,155	15,993,245 712,808	104,754,555 8,503,866	75,459,493 5,162,829	97,474,076 3,631,910
00040	WOODLAND CSD	DELTA COUNTY ZETA COUNTY	LOW NEEDS SCHOOL	1,761	35,638,190	16,707,437	4,642,048	7,630,878	1,517,895	2,916,616	20,281,584	13,739,368	17,873,077
				2,723,593	56,066,000,508	22,249,602,185	6,404,719,634	10,026,263,061	2,023,678,885	3,794,940,605	30,540,605,494	22,356,785,335	28,102,127,142
						(COLUMN D)							
			WHAT IS THE % OF UNASSIGN	ED F/B TO 2024-25	APPROVED OPERATING								
		-	UNASSIGNED FUND	(COLUMNII)	1	SAAA 922 204							
			BALANCE 2024-25 APPROVED	(COLOMINE)		0444,033,384							
			OPERATING BUDGET	(COLUMN G)		\$6,780,420,206							
						6.56%							
			HOW MANY LICH NEEDS SCH		THE CAMOLE	(COLUMN E)							
			POPULATION?	OULS ARE WITHIN I	Inc SAMPLE	SCHOOL							
						88							
						(COLUMN C)	(COLUMN D)	(COLUMN E)					
			DISTRICT'S PER PUPIL AMOU	NTS OF:	IS TO KNOW THE	EVERGREEN C SD	LAMBDA COUNTY	SCHOOL					
			SCHOOL TAXES AND TAX	(COLUMN M)		\$19,239,627							
			ENROLLMENT	(COLUMN F)		1,517							
						\$12,683							
			STATE AID	(COLUMN P) (COLUMN F)									
			and to be must if	(OOLOMITT)			9						
			INSTRUCTION	(COLUMN T)									
			ENROLLMENT	(COLUMN F)									



Look up values in an array

Lookup Functions

- □ Today we will examine the VLOOKUP function
 - Looks in the first column of an array and moves across the row to return the value of a cell
- Level of Difficulty = Intermediate
- Useful when data is arranged in an array (table) with the first (leftmost) column containing the lookup value of the comparison
 - The format of the lookup value is important
 - The lookup value and the first column in the array must be formatted as the same type of value
 - An issue when numbers are stored as text

VLOOKUP Syntax

- =VLOOKUP (lookup_value, table_array, col_index_num, [range_lookup])
 - Iookup_value = The value you want to look up
 - What are we looking for?
 - table_array = The range of cells in which the VLOOKUP will search for the lookup_value and the return value
 - Where should we look?
 - col_index_num = The column number (starting with 1 for the leftmost column of table_array) that contains the return value
 - What column should we look within to find the match for the lookup_value?
 - [range_lookup] = A logical value that specifies whether you want VLOOKUP to find an approximate or an exact match
 - "TRUE" for an approximate match and "FALSE" for an exact match

VLOOKUP Syntax (Cont.)

- Example: =VLOOKUP(\$C\$2,'District Validation'! \$A\$2:\$B\$674,2,FALSE)
 - Translation: Look for the value in Cell C2 within the range A2:B674 on the worksheet tab labeled "District Validation". Look within the second column of the array on "District Validation" and return an exact match.

Application of the VLOOKUP Function

Here's our scenario:

- We're the new Treasurer at our small city school district tasked with preparing the ESSA Report
- We have last year's template that was prepared by our predecessor
- We have 2023-24 A Fund and F Fund expenditures from the Appropriation Status Report as an Excel file
- How can we identify new account codes that will need to be labeled for the report and as well as labeling preexisting account code consistently with the prior year's report (Hint: use VLOOKUP)

Application of the VLOOKUP Function (*Cont.*)

□ <u>Solution #1</u>: = *VLOOKUP*(\$K5,\$B\$5:\$H\$1222,3,FALSE)

- Translation: Find the match for Cell K5 in Column B of the array B5:H1222 and return the exact match from the third column (Column D) should the match for Cell K5 and a cell between B5:B1222 exist
- We can copy this formula throughout the cell range M5:Q1255
 - The only necessary change to the formula will be to change the column reference in the *table-array* as copy the formulas to the right.
 - Column M would reference Column 3, Column N would reference Column 4, etc.

Dataset for the VLOOKUP Function

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VLOOKUP Dataset

Image: Description State Description Construction State Description From 1/10/22 To 50/20/28 Construction State Description From 1/10/22 To 50/28 Construction State Description From 1/10/28 Construction From 1/10/28 Construction From 1/10/28 Construction From 1/10/	A	В	с		D	E	F	G	Н		J K		L	M	N	0	P	Q	R
Tem Appropriation Status Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status Detail Report B* Function From 71/022 To 450/2021 A report from 71/022 To 450/2021 Coll _ index _ num = Coll umn D = 3, etc. Im Report for function Report For 71/022 To 450/2021 Tem Appropriation Status Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status D* Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status D* Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status D* Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status D* Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status D* Detail Report B* Function From 71/022 To 450/2021 Tem Appropriation Status D* Detail Report B* Function From 71/022 To 450/2021 Tem Approprint Finter Final Final Final Final Final Final F																			
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Account Description C. Coll, Index, num = Column D = 3, etc. Instruct Account Description Desc				o and trades		0.1			all Frankline		From Appropriation Sta	atus Detail Report B	By Function From 7/1/2023 To 6/30/2024:	Ontionals	Objected	Dement View	Des mar Datail	Eurodian	
And dot Construction served. Part Sector And dot dot Solution 1. lookup_value = Cell KSK1255 Main and main an		Account	Descriptio	3. col_index	_ <i>num</i> =	Columr	1 D = 3,	etc.		Expensed	Account			Optional:	Object of	One Category	Area Category	Source	Expensed
Instruction Design of all states 1 <th< td=""><td></td><td>A 1010 4000-00-0000</td><td>CONTRACTED SERVICES</td><td></td><td></td><td>4</td><td>G3</td><td></td><td>SI</td><td>860.00</td><td>A 1010 4000-00-0000</td><td>1. look</td><td>up value = Cell K5</td><td>(1255</td><td>Vense</td><td>One category</td><td>Area Gategory</td><td>Jource</td><td>880.00</td></th<>		A 1010 4000-00-0000	CONTRACTED SERVICES			4	G3		SI	860.00	A 1010 4000-00-0000	1. look	up value = Cell K5	(1255	Vense	One category	Area Gategory	Jource	880.00
A 1000 00000000000000000000000000000000		A 1010 4001-00-0000	DUES-SCHOOL ASSOCIATIONS			4	G3		SL	17,530.00	A 1010.4091-00-0000								17,880.00
Article 300-00000 MATTERNALS A SUPPLIES 3,5000 MATTERNALS A SUPPLIES 4,17700000000 MATTERNALS A SUPPLIES 3,50000 MATTERNALS A SUPPLIES 4,17700000000 MATTERNALS A SUPPLIES 4,17700000000 MATTERNALS A SUPPLIES 4,17700000000 MATTERNALS A SUPPLIES 4,17700000000000000000000000000000000000		A 10.0.4100-00-0000	CONFERENCES & WKSHOPS			4	E4		SL	4,810.00	A 1010.4100-00-0000	CONFERENCES	& WKSHOPS						4,910.00
101 103 3 77000 A100 433-00-000 FOOD METINES 61300 FOOD METINES 81300 A 104 1100-000 CLEPCA, SALAP 61 51 27000 A100 433-00-000 55 61700-000 55 61700-0000 61700-000		A 1010.4500-00-0000	MATERIALS & SUPPLIES			4	G3			3,510.00	A 1010.4500-00-0000	MATERIALS & SU	JPPLIES						3,580.00
A100.1000.0000 CLEFICAL SMARY 1 61 SI 102.0000 A100.1000.0000 CLEFICAL SMARY 4. 109.0000 A100.1000.00000 CLEFICAL SMARY 4. 109.0000 A100.1000.00000 CLEFICAL SMARY 4. 109.0000 0.00FTIME 4. 109.0000 A100.1000.00000 CONTRACTED SERVICES A WISHOPS 4. 63 S. 100.00000 CONTRACTED SERVICES A WISHOPS 4. 63 S. 100.00000 CONTRACTED SERVICES A WISHOPS 100.0000 100.00000 CONTRACTED SERVICES A WISHOPS 100.00000 100.00000 CONTRACTED SERVICES A WISHOPS 100.00000 100.00000 CONTRACTED SERVICES A WISHOPS 100.00000 100.00000 CONTRACTED SERVICES A WISHOPS 100.000000 100.000000 CONTRACTED SERVICES A WISHOPS 100.000000 100.0000000000000000000000000000000000		1010.4531-00-0000	FOOD MEETINGS			4	G3		SL	7,970.00	A 1010.4531-00-0000	FOOD MEETING	S						8,130.00
A 100 1700-0.000 CSEA (OTHER) STRENDS 1 61 SL 4000 000 CSEA (OTHER) STRENDS 4. [range_lookup] = FALSE for the search machine strends 37000 A 100 1700-0.000 CONTRACTED SERVICES 4 63 SL 8000 A 104 4000-0000 CONTRACTED SERVICES 8000 A 1044 4000-0000 CONTRACTED SERVICES 8000 A 1040 400-0000 CONTRACTED SERVICES 8000 A 1040 400-0000 CONTRACTE SERVICES 1000 1000-4000-0000 CONTRACTE SERVICES 1000-4000-0000 CONTRACTE SERVICES 1000-4000-0000 CONTRACTE SERVICES 1000-4000-0000 CONTRACTE SERVICES 1000-4000-0000 CENTREND SERVICES 1000-4000-00000 CENTREND SERVICES 100	. /	A 1040.1610-00-0000	CLERICAL SALARY			1	G1		SL	192,690.00	A 1040.1610-00-0000	CLERICAL SALA							196,540.00
A 149 1770-0.000 SCK NCERTINE STEPPED 1 61 51 27/000 A 149 170-0.0000 SCK NCERTINE STEPPED 22/000 A 149 170-0.0000 SCK NCERTINE STEPPED 20/000 A 149 170-0.0000 CVERTINE STEPPED 1 10/000 SCK NCERTINE STEPPED 1 10/0000 SCK NCERTINE STEPPED 1 10/0000 SCK NCERTINE STEPPED 1 10/00000 SCK NCERTINE STEPPED 1 10/00000 SCK NCERTINE STEPPED 1 1 10/00000 SCK NCERTINE STEPPED 1 1 10/00000 SCK NCERTINE STEPPED 1 10/000000 SCK NCERTINE	1	A 1040.1700-00-0000	CSEA (OTHER) STIPENDS			1	G1		SL	4,000.00	A 1040.1700-00-0000	CSEA (OTHER) \$	4 Irange lookuni =	FALSE fo	or the				4,080.00
A 160 1000.0000 CONTRACTED SERVICES 1 61 1 91, 1000.0000 CONTRACTED SERVICES 1000.0000 CONTRACTED SERVICES 1000.0000 CONTRACTED SERVICES 1000.0000 2000.0000 A 1600.0000.0000 CONTRACTED SERVICES 110,000.0000 A 1600.0000.0000 CONTRACTED SERVICES 110,000.0000 A 1600.0000.0000 CONTRACTED SERVICES 110,000.0000 CONTRACTED SERVICES 110,000.0		A 1040.1770-00-0000	SICK INCENTIVE STIPEND			1	G1		SL	2,700.00	A 1040.1770-00-0000	SICK INCENTIVE	4. [range_lookup] =						2,750.00
A 100 4000.000 CONTRACTED SERVICES A WESHOPS 4 63 5 900 A 100 4000.000 CONTRACTED SERVICES A WESHOPS 4 63 5 2000 A 100 4000.000 CONTRACTED SERVICES A WESHOPS 4 63 5 2000 A 100 4000.000 CONTRACTED SERVICES A WESHOPS 4 64 5 2000 A 100 4700.000 CONTRACTED SERVICES A WESHOPS 4 63 4 100 4700.000 CONTRACTED SERVICES A WESHOPS 4 63 4 100 4700.000 CONTRACTED SERVICES A WESHOPS 4 63 4 100 4700.000 CONTRACTED SERVICES A WESHOPS 900 4 900 4 900 0 A 100 4400.0000 CONTRACTED SERVICES A WESHOPS 900 4 900 0 100 4700.000 CONTRACTED SERVICES A WESHOPS 900		A 1040.1900-00-0000	OVERTIME			1	G1		SL	19,050.00	A 1040.1900-00-0000	OVERTIME	exact match of each	lookup_	value				19,430.00
A Hild Hubbledow Contracted SarWiseLings 4 64 51 2010 A Hild Hubbledow Contracted SarWiseLings 1000 1000 A Hild Hubbledow 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 100000 100000 100000 1000000 1000000 10000000 100000000 100000000		A 1040.4000-00-0000	CONTRACTED SERVICES			4	G3		SL	90.00	A 1040.4000-00-0000	CONTRACTED S							90.00
A 104 490040000 MA 104 4900400000 MA 104 4900400000 MA 109 4900040000 MA 109 4900040000 MA 109 4900040000 MA 109 4900040000 POSTAGE - ELECTON 190 400040000 POSTAGE - ELECTON 190 00 190 00 POSTAGE - ELECTON 190 00 19		A 1040.4100-00-0000	CONFERENCES & WKSHOPS			4	E4		SL	2,010.00	A 1040.4100-00-0000	CONFERENCES	& WKSHOPS						2,050.00
A 100 3000000000000000000000000000000000		A 1040.4500-00-0000	MATERIALS & SUPPLIES			4	G3		SL	540.00	A 1040.4500-00-0000	MATERIALS & SU	JPPLIES						550.00
A 109 4000-00000 CONTRACLED SERVICES 4 63 SL 100/1000 CONTRACLED SERVICES 14 63 SL 14000 4000-0000 Contracted Services 14000 40000 14000 4000-0000 Centracted Services 14000 40000-0000 BCCES SERVICES 14000 40000-0000 BCCES SERVICES 14000 40000-0000 BCCES SERVICES 14000 40000-0000 CENTRED SAAMES 130000 14000 4000-0000 CENTRED SAAMES 122412000 1224120000 CENTRED SAAMES 122412000 1224120000 1224120000 122412000 122412000 122412000 122412000 1224120000 12241200		A 1060.1900-00-0000	OVERTIME			1	GI		SL	11,260.00	A 1060.1900-00-0000	OVERTIME	50,4050						11,490.00
A 100 4800.0000 POE1A02 - ELECTION 4 63 St. 9000 A 100 4800.0000 POE1A02 - ELECTION 90000		A 1060.4000-00-0000	CONTRACTED SERVICES			4	63		SL	100,470.00	A 1060.4000-00-0000	CONTRACTED S	CTION						102,480.00
A 1000 best build on 000 BCC ITS SERVICES 1 61 52 1 100 best build on 000 A 100 best build on 000 BCC ITS SERVICES 1 100 best build on 000 100 best build on 000 best build on 000 100 best build on 000 100 best build on 000 100 best build on 000 best build		A 1060.4400-00-0000	POSTAGE - ELECTION			4	63		SL	90.00	A 1060.4400-00-0000	PUSTAGE - ELE	IES						90.00
A 124 1500.000000 CERTIFED SNAARES 1 01 53 321 (03 00) A 1240 1500.0000000 CERTIFED SNAARES 327 (43 00) A 1240 1500.0000000 CERTIFED SNAARES 326 (45 00) A 1240 1500.000000 CERTIFED SNAARES 326 (45 00) 348 (45 00) A 1240 1500.000000 CERTIFED SNAARES 366 (50 00) 368 (50 00) A 1240 1500.000000 CERTIFED SNAARES 368 (50 00) A 1240 1500.000000 CERTIFED S		A 1060.4551-00-0000	BOCES SERVICES			4	63	v	SL	13 710 00	A 1060.4531-00-0000	BOCES SERVICE							12 990 00
A 120 1610.000000 CLERICAL, SMARES 241/2000 A 120 1610.000000 CLERICAL, SMARES 248/5000 284/50000 284/50000 284/50000 284/50000 284/50000 286/500000 286/500000 286/500000		A 1240 1500 00 0000				1	61		SL	221 020 00	A 1240 1500 00 0000	CERTIFIED SALA							227 450 00
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A 124 1770 00-0000 SICK NICEJ 1 A 124 1770 00-0000 SICK NICEJ TITLE STPEND 4 000 00 0 A 124 1000-00000 CONTRACTED SERVICES 4 63 SL 4 960 000 CONTRACTED SERVICES - MISC. OTHER 560 00 560 00 560 00 560		A 1240 1660-00-0000	PER DIEMS O Table a	Call Da			000		SL	5 250 00	A 1240 1660-00-0000	PER DIEM SALAR	RIES						5 360 00
A 124 1900.00000 OVERTIME 01 SL 6,070.00 A 124 1900.00000 OVERTIME 63 SL 4490.00.00000 CONTRACTED SERVICES 63 SL 4490.00.00000 CONTRACTED SERVICES 63 SL 4490.00.00000 CONTRACTED SERVICES 86,700.00 A 1244 4000.00000 A 1244 4000.0000 A 1244 4000.00000 A 1244 4000.00000 A 1244 4000.00000 A 1244 4000.00000		A 1240 1770-00-0000	SICK INCEN 2. TADIe_a	array = Cell Ra	ange 2B1	Þ2:2H21	222		SL	3,920,00	A 1240 1770-00-0000	SICK INCENTIVE	STIPEND						4.000.00
A1244 4000-00000 CONTRACTED SERVICES 4 G3 SL 4.980.00 A1244 4000-00000 CONTRACTED SERVICES 866.00000 CONTRACTED SERVICES 866.00000 CONTRACTED SERVICES 866.00000 CONTRACTED SERVICES 806.00000 CONTRACTED SERVICES 806.00000 CONTRACTED SERVICES 806.00000 A1240.4000-00000 CONTRACTED SERVICES 806.0000 872.0000 872.0000 A1240.4000-00000 CONTRACTED SERVICES 806.0000 872.0000 872.0000 A1240.4000-00000 CONTRACTED SERVICES 806.0000 128.00000 A1240.4000-00000 CONTRACTED SERVICES 806.0000 128.00000 128.00000 A1240.4000-00000 CONTRACTED SERVICES 806.0000 128.00000 A1240.4000-00000 CONTRACTED SERVICES 806.0000 128.00000 A1240.4000-00000 CONTRACTED SERVICES 806.0000 128.00000 A1240.4000-00000 MATERALS & SUPPLES 128.0000 128.00000 A1240.4000-00000 STUDENT ASSEMBLES & TAPPS 128.0000 128.00000 STUDENT ASSEMBLES & TAPPS 128.0000 128.00000 STUDENT ASSEMBLES & TAPPS 128.0000 128.00000 CONTRACTED SERVICES 128.0000 128.00000 CONTRACTED SERVICES ATAPS 128.000000000000 CONTRACTED SERVICES AT		A 1240 1900-00-0000	OVERTIME				GI	J	SL	6.070.00	A 1240 1900-00-0000	OVERTIME							6,190,00
A 1240 4009-00:000 CONTRACTED SERVICES - MISC. OTHER 4 G3 SL 84 040 00 A 1240 4009-00:000 CONTRACTED SERVICES - MISC. OTHER 86 720 00 1200 4000-00:000 CONTERACTED SERVICES - MISC. OTHER 86 720 00 1200 4000-00:000 CONTERACTED SERVICES - MISC. OTHER 86 720 00 1200 400-00:000 CONTERACTED SERVICES - MISC. OTHER 86 720 00 1200 400-00:000 CONTERACTED SERVICES - MISC. OTHER 86 720 00 1200 400-00:00 CONTERACTED SERVICES - MISC. OTHER 86 720 00 1200 400-00:00 CONTERACTED SERVICES - MISC. OTHER 86 720 00 1200 400-00:00 CONTERACTED SERVICES - MISC. OTHER 86 720 00 1200 400-00:00 CONTERACTED SERVICES - MISC. OTHER 31,000 31,000 1200 400-00:00 CONTERACTED SERVICES - MISC. OTHER 31,000 120,000-00:00 A1240 4591-00:00:00 MATERIALS & SUPPLIES 12,000 12,040 4591-00:00:00 STUDENT ASSEMBLIES & TRPS 80,000 12,040 4591-00:00:00 STUDENT ASSEMBLIES & TRPS 80,000 12,040 4591-00:00:00 CONTERACTED SERVICES - MISC. SALARY 161 SL 22,490 00 A1241 1500-00:00:00 CONTERACTED SERVICES - MISC. SALARY 161 SL 24,490 00 CONTERACTED SERVICES - MISC. SALARY 160 1500 00 A1241 1500-00:00:00 CONTERACTED SERVICES - MISC. SALAR		A 1240.4000-00-0000	CONTRACTED SERVICES			4	G3		SL	4,960.00	A 1240.4000-00-0000	CONTRACTED S	ERVICES						5,060.00
A 1240 4100-00-0000 CONFERENCES & WKSHOPS 4 E4 SL 1780 00 A 1240 4100-00-0000 CONFERENCES & WKSHOPS 1320 341000 341000 341000 341000 341000 341000 341000 341000 341000 341000 341000 341000 3410000 3410000 3410000 3410000 34100000 3410000 34100000 34100000 34100000 34100000 34100000 341000000 341000000 341000000 341000000 341000000 341000000 341000000 341000000 3410000000 3410000000 3410000000 34100000000 3410000000000 341000000000000		A 1240.4009-00-0000	CONTRACTED SERVICES - MISC.	OTHER		4	G3		SL	84,040.00	A 1240.4009-00-0000	CONTRACTED S	ERVICES - MISC. OTHER						85,720.00
A 1240 4500-00:000 MATERIALS & SUPPLIES 4 G3 SL 33500 00 A 1240 4500-00:000 MATERIALS & SUPPLIES 1240 501 00:000 MATERIALS & SUPPLIES 1240 4501 00:000 ALMIN INSTRUCTIONAL SALARY 1 11 11 11 11 11 11 11 11 11 11 1241 11 11 11 11 1241 11 1241 11 11		A 1240.4100-00-0000	CONFERENCES & WKSHOPS			4	E4		SL	1,780.00	A 1240.4100-00-0000	CONFERENCES	& WKSHOPS						1,820.00
A 1240 4531-00-0000 MEETING SUPPLIES 4 G3 SL 1244 04531-00-0000 MEETING SUPPLIES 126000 1260000 A 1240 4531-00-0000 ADUML MISTRUCTIONAL SALARY 1 G1 SL 7870 00 A 1241 1500-00-0000 ADUML MISTRUCTIONAL SALARY 1 G1 SL 224,840 00 A 1241 1500-00-0000 ADUML MISTRUCTIONAL SALARY 1 G1 SL 224,840 00 A 1241 1500-00-0000 CLERICAL SALARY 1 G1 SL 224,840 00 A 1241 1500-00-0000 CLERICAL SALARY 1 G1 SL 224,840 00 A 1241 1500-00-0000 OVERTIME 1 G1 SL 12,830 00 A 1241 1500-00-0000 OVERTIME 1 58,050 00 A 1241 1500-00-0000 OVERTIME 1 58,050 00 A 1241 1500-00-0000 OVERTIME 1 58,050 00 A 1241 1500-00-0000 CONFERENCES AND WORKSHOP 4 63 SL 1,240 00 A 1241 4500-00-0000 CONFERENCES AND WORKSHOP 4 G3 SL 1,240 00 A 1241 4500-00-0000 REALARY 1,200 00 A 1241 4500-00-0000 CONFERENCES AND WORKSHOP 4 G3 SL 124,4500-00-00000 REALARY		A 1240.4500-00-0000	MATERIALS & SUPPLIES			4	G3		SL	33,500.00	A 1240.4500-00-0000	MATERIALS & SU	JPPLIES						34,170.00
A 1240 4591-00-0000 STUDENT ASSEMBLIES & TRIPS 4 G3 SL 7.870.00 A 1240 4591-00-0000 STUDENT ASSEMBLIES & TRIPS 80.00 247.340.00 A 1241 1500-00-0000 OLIMININSTRUCTIONAL SALARY 1 G1 SL 224.780.00 A 1241 1500-00000 CLERICAL SALARY 80.00 247.340.00 A 1241 1100-00-0000 OLERICAL SALARY 1 G1 SL 82.480.00 A 1241 1500-00-0000 CLERICAL SALARY 88.000.00 A 1241 14100-00-0000 CORERTIME 1 G1 SL 15.80.00 A 1241 14100-00-0000 CVERTIME 1.900.00 1.900.00 0VERTIME 1.900.00 1.900.00 0VERTIME 1.900.00		A 1240.4531-00-0000	MEETING SUPPLIES			4	G3		SL	12,440.00	A 1240.4531-00-0000	MEETING SUPPL	IES						12,690.00
A 1211 1500 00000 ADMIN.INSTRUCTIONAL SALARY 1 G1 SL 224,9000 A 1241 1500 00000 ADMIN.INSTRUCTIONAL SALARY 281,3000 A 1241 1500 00000 CERICAL SALARY 1 G1 SL 224,9000 A 1241 1500 00000 CVERTIME 1 G1 SL 224,9000 A 1241 1500 00000 CVERTIME 1 G1 SL 1241 1500 00000 CVERTIME 1 G1 SL 13800 00 A 1241 1500 00000 CVERTIME 1590 00 1590 00 1590 00 A 1241 1500 00000 CVERTIME 1590 00 1590 00 1590 00 A 1241 4500 00000 MATERULS & SUPPLIES 240 00 A 1241 4500 00000 MATERULS & SUPPLIES 240 00 A 1241 4500 00000 MATERULS & SUPPLIES 240 00 A 1241 4500 00000 MATERULS & SUPPLIES 240 00 A 1241 4500 00000 MATERULS & SUPPLIES 240 00 A 1241 4500 00000 MATERULS & SUPPLIES 240 00 A 1241 1500 00000 MATERULS & SUPPLIES 240 00 A 1241 4500 00000 MATERULS & SUPPLIES 240 00 A 1241 4500 00000 MATERULS & SUPPLIES 240 00 A 1241 4500 00000 MATERULS & SUPPLIES 240 00 A 1241 4500 000000 MATERULS & SUPPLIES 240 00 A 124		A 1240.4591-00-0000	STUDENT ASSEMBLIES & TRIPS			4	G3		SL	7,870.00	A 1240.4591-00-0000	STUDENT ASSE	MBLIES & TRIPS						8,030.00
A 1241 1900-0000 CLERICAL SALARY 1 G1 S1 82,160.00 A 1241 1900-0000 CLERICAL SALARY 183,000 0 A 1241 1900-00000 OVERTIME 1 G1 S1 1530.00 A 1241 1900-00000 CORETIME 1530.00 A 1241 1900-00000 CORETIME 1500.00 1550.00 A 1241 1900-00000 CONFERTIME 1500.00 1500.00 A 1241 1900-00000 CONFERENCES AND WORKSHOP 4 E4 S1 1860.00 A 1241 1900-00000 CONFERMENCES AND WORKSHOP 1500.00 A 1241 1900-00000 CONFERMENCES AND WORKSHOP 1900.00		A 1241.1500-00-0000	ADMIN./INSTRUCTIONAL SALARY			1	G1		SL	242,490.00	A 1241.1500-00-0000	ADMIN./INSTRUC	TIONAL SALARY						247,340.00
A 1241 1900-00000 OVERTIME 1 G1 SL 1,580.00 A 1241 1900-00000 OVERTIME 1,690.00 A 1241 4100-00000 CONFERENCES AND WORKSHOP 4 E4 SL 1,880.00 A 1241 1900-00000 CONFERENCES AND WORKSHOP 4 G3 SL 240.00 MATERNLS & SUPPLIES 4 G3 SL 240.00 MATERNLS & SUPPLIES 230.600.00 MATERNLS & SUPPLIES		A 1241.1610-00-0000	CLERICAL SALARY			1	G1		SL	82,160.00	A 1241.1610-00-0000	CLERICAL SALAR	RY						83,800.00
A 121 4100.00.0000 CONFERENCES AND WORKSHOP 4 E4 SL 1,860.00 A 1241 4100.00.0000 CONFERENCES AND WORKSHOP 1,900.00 1,900.00 240.00 A 1241 4500.00.0000 MATERULS & SUPPLIES 4 G3 SL 240.00 A 1241 4500.00.0000 BUSINESS ADMINISTRATOR 1 G1 SL 230,500.00 A 1310.1500.00.0000 BUSINESS ADMINISTRATOR 1 G1 SL 230,500.00 A 1310.1510.00.0000 BUSINESS ADMINISTRATOR 1 G1 SL 230,500.00 A 1310.1510.00.0000 TREASURER & CLERICAL SAL 160.0000 142,160.00 TREASURER & CLERICAL SAL 160.0000 142,160.00 TREASURER & CLERICAL SAL 160.0000 142,160.00 A 1310.11510.00.0000 TREASURER & CLERICAL SAL 160.0000 142,160.00 TREASURER & CLERICAL SAL 160.0000 142,160.00 A 1310.11700.00000 TREASURER & CLERICAL SAL 160.0000 142,160.00 A 1310.11700.000000 CSEA (OTHER) STIPENDS 161 SL 11,700.00000 SICK NOCENTIVE STIPEND 1460.000 1470.00000 SICK NOCENTIVE STIPEND 140.000.00000 OVERTIME 103,870.00 1430.01770.000000 SICK NOCENTIVE STIPEND 140.000.00000 CONTRACTED SERVICES - TAX COLLE		A 1241.1900-00-0000	OVERTIME			[1	G1		SL	1,530.00	A 1241.1900-00-0000	OVERTIME							1,560.00
A 1241 4000-00000 MAI LERULS & SUPPLIES 4 G3 SL 240.00 MAI LERULS & SUPPLIES 240.00 A 1310 1500-00000 BUSINESS ADMINISTRATOR 1 G1 SL 220,500.00 MAI LERULS & SUPPLIES 223,500.00 MAI LERULS & SUPPLIES 141,500.00 A 1310 1101-00-0000 TREASURER & CLERICAL SAL 145,600.00 A 1310 1101-00-0000 TREASURER & CLERICAL SAL 141,500.00 A 1310 1101-00-0000 CREMPT 141,500.00 A 1310 1101-00-0000 CREMPT 141,500.00 A 1310 1101-00-0000 CREMPT 141,000.00 141,000.00 CREMPT 141,000.00 141,000.00 141,000.00 141,000.00 141,000.00 141,000.00 141,000.00 141,000.00 141,000.00 141,000.00 141,000.00 141,000.00 141,000.00 </td <td></td> <td>A 1241.4100-00-0000</td> <td>CONFERENCES AND WORKSHOP</td> <td>P</td> <td></td> <td>4</td> <td>E4</td> <td></td> <td>SL</td> <td>1,860.00</td> <td>A 1241.4100-00-0000</td> <td>CONFERENCES</td> <td>AND WORKSHOP</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1,900.00</td>		A 1241.4100-00-0000	CONFERENCES AND WORKSHOP	P		4	E4		SL	1,860.00	A 1241.4100-00-0000	CONFERENCES	AND WORKSHOP						1,900.00
A 1310 1500-00-0000 BUSINESS ADMINIS INATOR 1 G1 S1 230,100 BUSINESS ADMINIS INATOR 239,100 A 1310 1510-00-0000 BUSINESS ADMINIS INATOR 1 639,320 1 1 61 S1 230,100 A 1310 1510-00-0000 BUSINESS ADMINIS INATOR 1 639,320 1 639,320 1 61 S1 589,320 1 61 589,320 1 61 S1 589,320 1 61 51 589,320 1 61 51 589,320 1 61 51 589,320 1 61 51 51 1 61 51 1 61 51 1 61 51 1 61 51 1 61 51 1 61 51 1 61 51 1 61 51 1 61 51 1 61 51 1 61 51 1 61 51 61 51 61 51 61 51 61		A 1241.4500-00-0000	MATERIALS & SUPPLIES			4	G3		SL	240.00	A 1241.4500-00-0000	MATERIALS & SU	JPPLIES						240.00
A 1310 1610-00000 IREASURER & CLENCAL SAL 1 61 SL 577,700.00 A 1310 1610-00000 IREASURER & CLENCAL SAL 1598,320.00 A 1310 1610-00000 EXEMPT 1 61 SL 147,100.00 A 1310 1610-00000 EXEMPT 146,000.00 145,000.00 14310 1610-00000 EXEMPT 146,000.00 14310,1110,000.0000 CSEA (OTHER) STIPENDS 146,000.00 147,000.00 A 1310 1610-00000 EXEMPT 146,000.00 147,000.00 147,000.00 CSEA (OTHER) STIPENDS 146,000.00 147,000.00 147,000.00 CSEA (OTHER) STIPENDS 146,000.00 147,000.00 147,000.00 147,000.00 147,000.00 CSEA (OTHER) STIPENDS 140,000.00 147,000.00 1410,000.00.000 147,000.00 1410,000.00.		A 1310.1500-00-0000	BUSINESS ADMINISTRATOR				G1		SL	230,500.00	A 1310.1500-00-0000	BUSINESS ADMI	NISTRATOR						235,110.00
A 1310 1701-00-0000 EAE.MP1 1 G1 SL 142,160,00 A 1310 170-0-0000 EAE.MP1 140,000.00 A 1310 170-00-0000 CSEA (0THER) STIPENDS 1 G1 SL 11,500.00 A 1310 170-00-0000 EAE.MP1 110,000.00 117,000.0000 EAE.MP1 111,000.00 117,000.0000 EAE.MP1 111,000.00 111,000.00 111,000.00 EAE.MP1 110,000.00 111,000.00 EAE.MP1 110,000.00 111,000.00 111,000.00 EAE.MP1 110,000.00 EAE.MP1 110,000.00 111,000.00 111,000.00 EAE.MP1 110,000.00		A 1310.1610-00-0000	TREASURER & CLERICAL SAL				G1		SL	577,760.00	A 1310.1610-00-0000	TREASURER & C	JLERIGAL SAL						589,320.00
A 1310 1700-00-0000 CSEA (OTHER'S STIPENDS 1 61 SL 11,000 CSEA (OTHER'S STIPENDS 1400 14300 17,000 CSEA (OTHER'S STIPENDS 1400 14300 17,000 CSEA (OTHER'S STIPENDS 1400 143000 143000 143000 143000 143000000000000000000000000000000000000		A 1310.1614-00-0000	EXEMPT				G1		SL	142,160.00	A 1310.1614-00-0000	EXEMPT							145,000.00
A 130 1070-00-0000 SICK INCENTIVE STIFEND I G1 SIC 90000 SICK INCENTIVE STIFEND 90000 A 130 1000-00000 SICK INCENTIVE 900000 CONTRACTED SERVICES 90000 A 130 1000-00000 CONTRACTED SERVICES 90000 900000 CONTRACTED SERVICES 90000 900000 CONTRACTED SERVICES 90000 900000 CONTRACTED SERVICES 900000 900000 900000 900000 900000 900000 900000 9000000 9000000 9000000 9000000 9000000 9000000 90000000 900000000 9000000000000000000000000000000000000	- \	A 1310.1700-00-0000	CSEA (OTHER) STIPENDS				61		SL	11,500.00	A 1310.1700-00-0000	CSEA (UTHER) 3	STIPENDS						11,730.00
A 101 4000-00000 CONTRACTED SERVICES 4 G3 SL 1,410,000.0000 CONTRACTED SERVICES 28,810.00 1,410,000.0000 CONTRACTED SERVICES 10,830.000 1,410,000.0000 CONTRACTED SERVICES 10,800.0000 10,800.00000 CONTRACTED SERVICES 10,800.0000 10,800.00000 CONTRACTED SERVICES 10,800.00000 10,800.000000 10,800.000000 10,800.000000000000000000000000000000000		1210 1000 00 0000	OVEDTIME				61		SL	400.00	A 1310.1770-00-0000		SHEEND						400.00
A 130 4010-00-0000 CONTRACTED SERVICES - TAX COLLECTION 4 G3 SL 1410.00 A 1310.4010-00000 CONTRACTED SERVICES - TAX COLLECTION 1,440.00 A 1310 4010-00,0000 WORKERS COMP. EXAMINER/COORD 4 G3 SL 1510.000 A 1310.4010-00,0000 CONTRACTED SERVICES - TAX COLLECTION 1,440.00 A 1310 4010-00,0000 WORKERS COMP. EXAMINER/COORD 4 G3 SL 1510.000 A 1310.4010-00,0000 CONTRACTED SERVICES - TAX COLLECTION 1,440.00 A 1310 4010-00,0000 WORKERS COMP. EXAMINER/COORD 4 G3 SL 1510.000 A 1310.4010-00,0000 CONTRACTED SERVICES - TAX COLLECTION 1,440.00 A 1310 4010-00,0000 WORKERS COMP. EXAMINER/COORD 4 G3 SL 1510.000 4 1310.4010-00,0000 CONTRACTED SERVICES - TAX COLLECTION 1,440.00		A 310 4000-00-0000				4	63		1	27 630 00	A 1310 4000-00-0000		RVICES						28 180 00
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		A 1310 40-7-00-0000	WORKERS COMP EXAMINER/CO	ORD		4	63		SL	151 000 00	A 1310 4057-00-0000	WORKERS COM	IP EXAMINER/COORD						154 020 00
A 131 A 130 AUX A 231 A		A 1310 4091-00-0000	DUES-SCHOOL ASSOCIATIONS			4	G3		SI	1 500 00	A 1310 4091-00-0000	DUES-SCHOOL	ASSOCIATIONS						1 530 00

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s Detail Report By Function From 7/1/2022 To 6/30/20	23:						From Appropriation	Status Detail Report By Function Fro	om 7/1/2023 To 6/30/2024:						
Description	Optional: School	Object of Expense	Report View One Category	Program Detail Area	Funding Source	Expensed	Account	Descripti	ion	Optional: School	Object of Report Vie Expense One Catego	w Program ry Detail Area	a <u>Funding</u>	Expensed	
CONTRACTED SERVICES		4	G3		SL	860.00	A 1010.4000-00-0000	CONTRACTED SERVICES	SANCE T					880.00	
ONFERENCES & WKSHOPS			E4		SL	4,810.00	A 1010.4100-00-0000	CONFERENCES & WKSHOPS						4,910.00	
IATERIALS & SUPPLIES		1 4	G3		SL	3,510.00	A 1010.4500-00-0000	MATERIALS & SUPPLIES						3,580.00	
OOD MEETINGS		4	G3		SL	7,970.00	A 1010.4531-00-0000	FOOD MEETINGS						8,130.00	
LERICAL SALARY		1	G1		SL	192,690.00	A 1040.1610-00-0000	CLERICAL SALARY						196,540.00	
SEA (OTHER) STIPENDS		1	61		SL	4,000.00	A 1040.1700-00-0000	CSEA (OTHER) STIPENDS						4,080.00	
VERTIME			G1		SL	19.050.00	A 1040.1900-00-0000	OVERTIME						19,430.00	
CONTRACTED SERVICES		1 4	G3		SL	90.00	A 1040.4000-00-0000	CONTRACTED SERVICES						90.00	
ONFERENCES & WKSHOPS		4	E4		SL	2,010.00	A 1040.4100-00-0000	CONFERENCES & WKSHOPS						2,050.00	
IATERIALS & SUPPLIES		4	G3		SL	540.00	A 1040.4500-00-0000	MATERIALS & SUPPLIES						550.00	
ONTRACTED SERVICES		1 4	G3		SL	100,470.00	A 1060.4000-00-0000	CONTRACTED SERVICES						102,480.00	
OSTAGE - ELECTION		* 4	G3		SL	90.00	A 1060.4400-00-0000	POSTAGE - ELECTION						90.00	
IEETING SUPPLIES		4	G3		SL	1,400.00	A 1060.4531-00-0000	MEETING SUPPLIES						1,430.00	
OCES SERVICES			G3	Ŷ	SL	13,710.00	A 1060.4900-00-0000	BOCES SERVICES						13,980.00	
LERICAL SALARIES		1 1	G1		SL	241,720.00	A 1240.1610-00-0000	CLERICAL SALARES						246,550.00	
ER DIEM SALARIES		1	G1		SL	5,250.00	A 1240.1660-00-0000	PER DIEM SALARIES						5,360.00	
ICK INCENTIVE STIPEND		1	G1		SL	3,920.00	A 1240.1770-00-0000	SICK INCENTIVE STIPEND						4,000.00	
OVERTIME		- 1	G1		SL	6,070.00	A 1240.1900-00-0000	OVERTIME CONTRACTED SERVICES						6,190.00	
ONTRACTED SERVICES - MISC. OTHER			G3		SL	84,040.00	A 1240.4009-00-0000	CONTRACTED SERVICES	THER					85,720.00	
ONFERENCES & WKSHOPS		* 4	E4		SL	1,780.00	A 1240.4100-00-0000	CONFERENCES & WKSHOPS						1,820.00	
IATERIALS & SUPPLIES		4	G3		SL	33,500.00	A 1240.4500-00-0000	MATERIALS & SUPPLIES						34,170.00	
IEETING SUPPLIES		4	G3		SL	12,440.00	A 1240.4531-00-0000	MEETING SUPPLIES						12,690.00	
DUDENT ASSEMBLIES & TRIPS		1 1	G1		SL	242 490 00	A 1240.4591-00-0000	ADMIN (INSTRUCTIONAL SALARY						247 340 00	
LERICAL SALARY		1 1	G1		SL	82,160.00	A 1241.1610-00-0000	CLERICAL SALARY						83,800.00	
VERTIME		1	G1		SL	1,530.00	A 1241.1900-00-0000	OVERTIME						1,560.00	
CONFERENCES AND WORKSHOP		4	E4		SL	1,860.00	A 1241.4100-00-0000	CONFERENCES AND WORKSHOP						1,900.00	
USINESS ADMINISTRATOR		1	G1		SL	230 500 00	A 1310 1500-00-0000	RUSINESS ADMINISTRATOR						235 110 00	
REASURER & CLERICAL SAL		* 1	G1		SL	577,760.00	A 1310.1610-00-0000	TREASURER & CLERICAL SAL						589,320.00	
XEMPT		1	G1		SL	142,160.00	A 1310.1614-00-0000	EXEMPT						145,000.00	
SEA (OTHER) STIPENDS		1	G1		SL	11,500.00	A 1310.1700-00-0000	CSEA (OTHER) STIPENDS						11,730.00	
NUK NUENTIVE STIPEND			G1		SL	450.00	A 1310.1770-00-0000	OVERTIME						460.00	
ONTRACTED SERVICES		1 4	G3		SL	27,630.00	A 1310.4000-00-0000	CONTRACTED SERVICES						28,180.00	
ONTRACTED SERVICES - TAX COLLECTION		4	G3		SL	1,410.00	A 1310.4010-00-0000	CONTRACTED SERVICES - TAX CO	DLLECTION					1,440.00	
VORKERS COMP. EXAMINER/COORD		. 4	G3 G3		SL	151,000.00	A 1310.4057-00-0000	WORKERS COMP. EXAMINER/COO	RD					154,020.00	
ONFERENCES AND WORKSHOP		1 4	E4		SL	4,490.00	A 1310,4100-00-0000	CONFERENCES AND WORKSHOP						4,580.00	
ATERIALS & SUPPLIES		1 4	G3		SL	7,510.00	A 1310.4500-00-0000	MATERIALS & SUPPLIES						7,660.00	
OCES SERVICES		4	G3	Y	SL	33,660.00	A 1310.4900-00-0000	BOCES SERVICES						34,330.00	
UNTRACTED SERVICES		. 4	63		SL	86,510.00	A 1320.4000-00-0000	CONTRACTED SERVICES						85,240.00	
ALARY		1 1	G1		SL	231,830.00	A 1345.1610-00-0000	SALARY						236,470.00	
TIPENDS		1 1	G1		SL	139,120.00	A 1345.1700-00-0000	STIPENDS						141,900.00	
ICK INCENTIVE STIPEND		1	G1		SL	700.00	A 1345.1770-00-0000	SICK INCENTIVE STIPEND						710.00	
VERTIME ONTRACTED SERVICES			G1 G3		SL	23,660.00	A 1345.1900-00-0000	OVERTIME CONTRACTED SERVICES						24,130.00	
UES-SCHOOL ASSOCIATIONS		1 4	G3		SL	290.00	A 1345.4091-00-0000	DUES-SCHOOL ASSOCIATIONS						300.00	
ONFERENCES & WKSHOPS		* 4	E4		SL	190.00	A 1345.4100-00-0000	CONFERENCES & WKSHOPS						190.00	
ONTRACTED SERVICES		4	G3		SL	905,650.00	A 1420.4000-00-0000	CONTRACTED SERVICES						923,760.00	
			GI		SL	188,620.00	A 1430.1500-00-0000	SALARES CLEDICAL SALADES						192,390.00	
ICK INCENTIVE STIPEND		1 1	G1		SL	1,500.00	A 1430,1770-00-0000	SICK INCENTIVE STIPEND						1,530.00	
VERTIME-SUB COVERAGE		1	G1		SL	38,390.00	A 1430.1900-00-0000	OVERTIME-SUB COVERAGE						39,160.00	
ONTRACTED SERVICES		4	G3		SL	26,410.00	A 1430.4000-00-0000	CONTRACTED SERVICES						26,940.00	
ATEDIAL C & CUDDLEC		. 4	E4		SL	990.00	A 1430.4100-00-0000	IRAVEL MATERIAL C. & CURNING C.						1,010.00	
OCES SERVICES		1 4	G3	Y	SL	63,170.00	A 1430.4900-00-0000	BOCES SERVICES						64,430.00	
OCES SERVICES		1 4	G3	Y	SL	16,650.00	A 1460.4900-00-0000	BOCES SERVICES						16,980.00	
ONTRACTED SERVICES		4	G3		SL	100,530.00	A 1480.4000-00-0000	CONTRACTED SERVICES						102,540.00	
ONFERENCES & WORKSHOPS		4	E4		SL	320.00	A 1480.4100-00-0000	CONFERENCES & WORKSHOPS						330.00	
IATERIALS & SUPPLIES		1 4	G3		SL	1,220.00	A 1480,4500-00-0000	MATERIALS & SUPPLIES						1,240.00	
&G CLERICAL STAFF		1 1	G1		SL	163,730.00	A 1620.1610-00-0000	B&G CLERICAL STAFF						167,000.00	
USTODIAN SALARES		1	G1		SL	596,100.00	A 1620.1650-00-0000	CUSTODIAN SALARES						608,020.00	
USTODIAN SALADES		1 1	G1		SL	407,260.00	A 1620.1650-01-0000	CUSTODIAN SALARES						415 410 00	

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Application of the VLOOKUP Function (*Cont.*)

□ <u>Solution #2</u>:

- =*IFERROR*(*VLOOKUP*(\$K5,\$B\$5:\$I\$1222,3,FALSE),"NO MATCH") or =*IFNA*(*VLOOKUP*(\$K5, \$B\$5:\$I\$1222,3,FALSE),"NO MATCH")
- Translation: Find the match for Cell K5 in Column B of the array B5:I1222 and return the exact match from the third column (Column D) should the match for cell K5 and a cell between B5:B1222 exist. Should no match exist, replace the error code or #N/A with the text "NO MATCH".
- If we were preparing a report to be shared with others, it doesn't look good having #N/As in the cells with no matches within the array. We can use *IFERROR* or *IFNA* to replace the error codes with a label we prefer.

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	M223 - : × fx = VLOOKUP(\$K22	23,\$B\$5:\$H\$12	222,3,FALSE)	1 0	1		. v			P 12 1					×
Name Name <th< td=""><td>1 2 us Detail Report By Function From 7/1/2022 To 6/30/2023:</td><td>b</td><td> F</td><td>6</td><td>-</td><td></td><td>From Appropriation</td><td>Status Detail Report By Function F</td><td>rom 7/1/2023 To 6/30/2024:</td><td>M</td><td></td><td>P</td><td>ŭ</td><td>RS</td><td></td></th<>	1 2 us Detail Report By Function From 7/1/2022 To 6/30/2023:	b	F	6	-		From Appropriation	Status Detail Report By Function F	rom 7/1/2023 To 6/30/2024:	M		P	ŭ	RS	
ADMIN./INSTRUCTIONAL SALARY - SCHOOL 1 1 1 B1 SL 557,660.00 A 2020.1500-00-0000 PRINCPALS & ASSTS SALAR - DISTRICT WDE 1 F1 SL 11,830.00 2021 ADMIN./INSTRUCTIONAL SALARY - SCHOOL 2 2 1 B1 SL 286,330.00 A 2020.1500-01-0000 ADMIN./INSTRUCTIONAL SALARY - SCHOOL 1 1 1 B1 SL 568,810.00	4 Description 1 SECURTY CLEANING ALLOWANCE 12 SECURTY CLEANING ALLOWANCE 13 SECURTY CLEANING ALLOWANCE 13 SECURTY CLEANING ALLOWANCE 13 SECURTY CLEANING ALLOWANCE 13 SECURTY CLEANING ALLOWANCE 15 SECURTY CLEANING ALLOWANCE 16 SECURTY CLEANING ALLOWANCE 17 OVERTME 20 OVERTME 21 OVERTME 22 OVERTME 23 OVERTME 24 OVERTME 21 OVERTME 22 OVERTME 23 OVERTME 24 OVERTME 25 OVERTME 26 OVERTME 27 OVERTME 28 OVERTME 29 OVERTME 2	Optional: 20 School 25	biest of spense One Cat spense One Cat 1 Gi 4 Gi 4 Gi 4 Gi 1 Gi 1 Gi 1 Gi 4 Gi 4 Gi <t< td=""><td>View Program Rev Detail Are</td><td>Funding Source Source Source Source</td><td>Expensed 150.00 380.00 380.00 380.00 39.430.00 24.780.00 15.516.00 12.800.00 15.516.00 12.800.00 2.400.00 2.400.00 2.400.00 2.400.00 2.400.00 2.400.00 2.400.00 2.400.00 2.400.00 2.400.00 5.510.00 12.1160.00 2.400.00 5.570.00 12.1160.00 5.620.00 5.570.00 11.2110.00 2.2450.00 5.500.0</td><td>Hom Appropriation A fc23, 1766-11-0000 A fc23, 1766-12-0000 A fc23, 1766-12-0000 A fc23, 1766-12-0000 A fc23, 1766-14-0000 A fc23, 1766-16-0000 A fc23, 1766-16-0000 A fc23, 1766-16-0000 A fc23, 1760-16-0000 A fc23, 1760-06-0000 A fc23, 1760-06-0000 A fc23, 1760-06-0000 A fc23, 1900-07-0000 A fc23, 1900-17-0000 A fc23, 1900-17-0000 <</td><td>SECURITY CLEANING ALLOWAN SECURITY CLEANING ALLOWAN OVERTIME SECURITY SUMMER PROGRAMS FUNDS CONTRACTED SERVICES CONFRENCES A WISHOPS CONTRACTED SERVICES OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME SECURITY SUMMER PROGRAMS FUNDS CONTRACTED SERVICES DUSES SECURITY SUMMER OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME SECURITY SECURITY SECURITY SECURITY SECURITY OVERTIME SECURITY SECURITY SECURITY SECURITY SECURITY OVERTIME O</td><td>Etion NOE NOE NOE</td><td><u>School</u></td><td>Object of Excense One Category 1 G1 2 G3 4 G3 4 G3 4 G3 4 G3 4 G3 4 G3</td><td>Program Detail Area Y #N/A Y Y Y Y</td><td>Funding South Sou</td><td>Expensed 150 00 1.530 00 3.390 00 3.390 00 3.390 00 3.390 00 3.390 00 3.390 00 3.000 4.020 00 86,170 00 42,220 00 5,620 00 12,200 1,3,800 00 1,220 00 1,3,800 00 1,220 00 1,490 00 1,200 00 1,490 00 1,210 00 2,250 00 2,250 00 2,250 00 2,250 00 2,2490 00 1,22,950 00 1,2410 00 2,250 00 5,500 00 5,500 00 5,500 00 11,430 00 10,550 00 11,540 00 2,255 00 11,540 00 2,255 00 11,540 00 2,255 00 11,550 00 1,070 00 2,855 950 00 2,010 00 1,070 00 1,075 00 1,075 00 1,075 00 1,075 00 1,075 00 2,000 00 1,075 00 1,075 00 2,000 00 1,075 00 2,000 00 1,070 00 2,000 00 1,075 00 2,000 00 2,000 00 1,070 00 2,000 00 2,</td><td></td></t<>	View Program Rev Detail Are	Funding Source Source Source Source	Expensed 150.00 380.00 380.00 380.00 39.430.00 24.780.00 15.516.00 12.800.00 15.516.00 12.800.00 2.400.00 2.400.00 2.400.00 2.400.00 2.400.00 2.400.00 2.400.00 2.400.00 2.400.00 2.400.00 5.510.00 12.1160.00 2.400.00 5.570.00 12.1160.00 5.620.00 5.570.00 11.2110.00 2.2450.00 5.500.0	Hom Appropriation A fc23, 1766-11-0000 A fc23, 1766-12-0000 A fc23, 1766-12-0000 A fc23, 1766-12-0000 A fc23, 1766-14-0000 A fc23, 1766-16-0000 A fc23, 1766-16-0000 A fc23, 1766-16-0000 A fc23, 1760-16-0000 A fc23, 1760-06-0000 A fc23, 1760-06-0000 A fc23, 1760-06-0000 A fc23, 1900-07-0000 A fc23, 1900-17-0000 A fc23, 1900-17-0000 <	SECURITY CLEANING ALLOWAN SECURITY CLEANING ALLOWAN OVERTIME SECURITY SUMMER PROGRAMS FUNDS CONTRACTED SERVICES CONFRENCES A WISHOPS CONTRACTED SERVICES OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME SECURITY SUMMER PROGRAMS FUNDS CONTRACTED SERVICES DUSES SECURITY SUMMER OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME OVERTIME SECURITY SECURITY SECURITY SECURITY SECURITY OVERTIME SECURITY SECURITY SECURITY SECURITY SECURITY OVERTIME O	Etion NOE NOE NOE	<u>School</u>	Object of Excense One Category 1 G1 2 G3 4 G3 4 G3 4 G3 4 G3 4 G3 4 G3	Program Detail Area Y #N/A Y Y Y Y	Funding South Sou	Expensed 150 00 1.530 00 3.390 00 3.390 00 3.390 00 3.390 00 3.390 00 3.390 00 3.000 4.020 00 86,170 00 42,220 00 5,620 00 12,200 1,3,800 00 1,220 00 1,3,800 00 1,220 00 1,490 00 1,200 00 1,490 00 1,210 00 2,250 00 2,250 00 2,250 00 2,250 00 2,2490 00 1,22,950 00 1,2410 00 2,250 00 5,500 00 5,500 00 5,500 00 11,430 00 10,550 00 11,540 00 2,255 00 11,540 00 2,255 00 11,540 00 2,255 00 11,550 00 1,070 00 2,855 950 00 2,010 00 1,070 00 1,075 00 1,075 00 1,075 00 1,075 00 1,075 00 2,000 00 1,075 00 1,075 00 2,000 00 1,075 00 2,000 00 1,070 00 2,000 00 1,075 00 2,000 00 2,000 00 1,070 00 2,000 00 2,	

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Functions that allow us to perform calculations of date and time

Date & Time Functions

- 39
- Today we will examine the **DATEDIF** function
 - Calculates the number of days, months, and/or years between two dates
- Level of Difficulty = Intermediate
- Useful for situations where we need to know the time elapsed between two dates
 - Such as determine an employee's age or service time

DATEDIF Syntax

DATEDIF(start_date, end_date, unit)

- start_date = A date that represents the first, or starting date of a given period
- end_date = A date that represents the last, or ending, date of the period
- *unit* = The type of information that you want returned, where:

Unit	Returns
" Y "	The number of complete years in the period.
" M "	The number of complete months in the period.
"D"	The number of days in the period.
" M D"	The difference between the days in <i>start_date</i> and <i>end_date</i> . The months and years of the dates are ignored. <i>Important:</i> We don't recommend using the "MD" argument, as there are known limitations with it. See the known issues section below.
"YM"	The difference between the months in <i>start_date</i> and <i>end_date</i> . The days and years of the dates are ignored
"YD"	The difference between the days of <i>start_date</i> and <i>end_date</i> . The years of the dates are ignored.

Application of the DATEDIF Function

Here's our scenario:

- As the Treasurer we have been tasked with calculating the liability for compensated absences for a secondary retirement incentive
 - Employees eligible for retirement who retire before age 58 receive a non-elective deferral to a 403b equal 20% of their final year's salary/wages
 - Employees eligible for retirement who retire on or after age 58 will receive a payout of \$55/accumulated sick day for NYSUT members and \$40/accumulated sick day for CSEA members
- We will calculate the liability for each bargaining unit for employees aged 58 or older

Application of the DATEDIF Function (Cont.)

□ <u>Solution #1</u>: **DATEDIF**(A5,B6, "y")

- Translation: Evaluate the time elapsed between two dates at cell B5 (birth date) and cell C5 (separation date) and return the time elapsed in years ("y")
- Once we have the calculated number of years, we can sort on two criteria, age and bargaining unit, to determine the rates (\$55/day, \$40/day, or \$0)

□ <u>Answer</u>: \$116,003.75

Dataset for the DATEDIF Function

43

	A	В	С	D	E	F	G	Н	I
1									
2							TOTAL		
3			AGE				SICK DAYS		AMOUNT
4	DOB	FYE	@ 6/30/2024	EE#	EMPLOYEE NAME	EMPLOYEE TYPE	@ 6/30/2024	RATE	ACCRUED
5	12/7/1967	6/30/2024	ł	717	ADAMS, JAMES	NYSUT	117.75		\$0.00
6	11/3/1982	6/30/2024	ł	1010	JALLEN, ERIC	NYSUT	62.75		\$0.00
7	5/21/1987	6/30/2024	ł	1131	ALVAREZ, SHARON	CSEA	95.75		\$0.00
8	10/19/1973	6/30/2024	ł	810	JANDERSON, CAROL	NYSUT	95.25		\$0.00
9	10/13/1993	6/30/2024	1	1274	AILEY, NANCY	NYSUT	32.00		\$0.00
10	1/24/1962	6/30/2024	1	581	BAKER, JASON	CSEA	200.00		\$0.00
11	2/26/1998	6/30/2024	ł	1452	BENNET, RYAN	CSEA	18.75		\$0.00
12	5/12/1983	6/30/2024	1	1022	2 BROOKS, REBECCA	NYSUT	61.50		\$0.00
13	11/2/1968	6/30/2024	1	726	BROWN, ANDREW	CSEA	186.25		\$0.00
14	11/13/1966	6/30/2024	4	695	CAMPBELL, JERRY	NYSUT	120.50		\$0.00
15	6/15/1988	6/30/2024	1	1161	CARTER, JOHN	NYSUT	45.00		\$0.00
16	8/25/1977	6/30/2024	1	866	CASTILLO, SHIRLEY	CSEA	140.50		\$0.00
17	12/8/1985	6/30/2024	1	1089	CHAVEZ, RICHARD	CSEA	97.25		\$0.00
18	4/23/1999	6/30/2024	ł	1476	CLARK, DONNA	CSEA	13.50		\$0.00
19	9/25/1991	6/30/2024	l l	1215	COLLINS, KIMBERLY	CSEA	79.25		\$0.00
20	9/27/1997	6/30/2024	1	1420	J COOK, MARIA	NYSUT	11.25		\$0.00
21	5/14/1977	6/30/2024	1	859	COOPER, MICHAEL	CSEA	141.50		\$0.00
22	3/10/1965	6/30/2024	1	670	J COX, PATRICK	NYSUT	125.75		\$0.00
23	1/31/1972	6/30/2024	1	801	CRUZ, KENNETH	CSEA	163.00		\$0.00
24	10/26/1967	6/30/2024	ł	713	J DAVIS, ASHLEY	CSEA	188.00		\$0.00
25	10/14/1967	6/30/2024	1	711	DIAZ, KATHERINE	CSEA	194.50		\$0.00
26	3/29/1987	6/30/2024	ł	1096	EDWARDS, KEVIN	NYSUT	50.75		\$0.00
27	4/29/1959	6/30/2024	4	539	EVANS, JUSTIN	NYSUT	147.50		\$0.00
28	2/24/1976	6/30/2024	1	837	FLORES, JACK	NYSUT	81.00		\$0.00
29	3/15/1987	6/30/2024	1	1092	2 FOSTER, TIMOTHY	CSEA	97.25		\$0.00
30	9/9/1992	6/30/2024	1	1250	J GARCIA, ANNA	CSEA	60.00		\$0.00
31	10/13/1994	6/30/2024	+	1285	GOMEZ, JOSEPH	NYSUT	22.50		\$0.00
32	10/3/1962	6/30/2024	4	624	GONZALES, BRENDA	CSEA	200.00		\$0.00
33	2/19/1976	6/30/2024	ł	834	GRAY, SAMANTHA	CSEA	150.75		\$0.00
34	12/30/1979	6/30/2024	4	922	2 GREEN, JACOB	CSEA	131.50		\$0.00
35	5/27/1999	6/30/2024	4	1485	GUTIERREZ MARY	NYSUT	4.25		\$0.00

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110182 602024 1010/LER_EC_ON NP317 62.75 50.0 101182 602024 1010/LER_EC_ON NP317 62.52 50.0 101182 602024 51818AEER, MANCY NP317 52.50 50.0 1011910 602024 51818AEER, MANCY NP317 52.50 50.00 2291986 602024 51818AEER, MANCY NP317 52.50 50.00 1101806 602024 16218ACER, RVM CSEA 197.5 50.00 1101806 602024 17616ACMAR, REBECCA NY317 13.50 50.00 1101806 602024 17616ACMAR, LERIN DY317 14.50 50.00 1101806 602024 17616ACMAR, LERIN DY317 14.50 50.00 1101807 602024 602024 1861CACMAR, DY41 CSEA 14.50 50.00 1291806 602024 1861CACMAR, DY41 CSEA 14.50 50.00 1291805 602024 6020204 6020204 6020204 6020	12/7/1967	6/30/2024	- the second sec	717	ADAMS, JAMES	NYSUT	117.75	\$0.	00			
0111971 0500202 1101ABCERSON CAROA 1172 0525 0500 1711980 0500202 1274BARCF, MANOY CSEA 2000 500 1724982 0500202 1274BARCF, MANOY CSEA 2000 500 1724982 0500202 1622BENGE, TRVM CSEA 2000 500 011188 0500204 1622BENGE, TRVM CSEA 010 500 011188 0500204 1602BENCOS, REBECM CSEA 010 500 011188 0500204 0600APENCUL, RERY NYSUT 1000 500 011188 0500204 1161CARTER, JOHN NYSUT 1000 500 011888 0500204 1160CARTER, JOHN NYSUT 1100 500 011818 0500204 1160CARTER, JOHN NYSUT 1100 500 011818 0500204 1160CARTER, MORERLY CSEA 1100 500 0118197 0500204 1100CARTERCK NYSUT 1100 500 01191919	11/3/1982	6/30/2024		1010	ALLEN, ERIC	NYSUT	62.75	\$0.	00			
10119198 6922224 1212/BARLEY, MAKY 1757 1220 1500 2721918 6502024 581BARCE, RANN CSEA 200.00 50.00 1271918 6502024 162[BENRT, RYM CSEA 107.0 50.00 1171918 6502024 669[CAMPRELL, EFRY 107.0 107.0 50.00 1171918 6502024 669[CAMPRELL, EFRY 107.0 125.0 50.00 1171918 6502024 669[CAMPRELL, EFRY 107.0 125.0 50.00 1171918 6502024 669[CAMPRELL, EFRY 107.0 125.0 50.00 1171918 6502024 669[CAMPRELL, EFRY CSEA 49.50 50.00 1171918 6502024 169[CAMPRELL, EFRY CSEA 13.50 50.00 1271919 6502024 169[CAMPRELL, EFRY CSEA 13.50 50.00 111917 6502024 169[CAMPRELL, EFRY CSEA 14.50 50.00 111917 6502024 6502024 6502024 6502024 65	5/21/1987	6/30/2024		810	ALVAREZ, SHARON	NYSUT	95.75	50.	00			
124192 600024 680 [BAKER, JASCM CSEA 200.00 \$0.00 5121988 600024 1402 [BAKER, RANC CSEA 18.75 \$0.00 5121988 600024 1402 [BROKS, REBECCA NYSUT 61.50 \$0.00 6111988 600024 120 [BROKS, REBECCA NYSUT 12.50 \$0.00 6111988 600024 1101 [CARTER, JOHN NYSUT 45.00 \$0.00 6111988 600024 1100 [CARTER, JOHN NYSUT 45.00 \$0.00 7291986 600024 1100 [CARTER, JOHN NYSUT 45.00 \$0.00 7291986 600024 1100 [CARTER, JOHN CSEA 97.25 \$0.00 7291986 600024 1215 [CALRER, KOMAR CSEA 19.25 \$0.00 7191987 600024 670 [COX, PATRICK NYUT 122.75 \$0.00 7191987 600024 670 [COX, PATRICK NYUT 125.76 \$0.00 7191987 600024 670 [COX, PATRICK NYUT 125.75 \$0.00 7191987 600024 771 [OAX, KAHERY CSEA	10/13/1993	6/30/2024		1274	BAILEY, NANCY	NYSUT	32.00	\$0.	00			
2/001099 0:50/004 145/01458 0:50 A 18 2/9 50.00 11/01588 0:50/004 2/28/01/014 A 0:50 A 0:50 A 0:00 11/01588 0:50/004 2/28/01/014 A 0:50 A 0:00 0:00 11/01588 0:50/004 2/28/01/014 A 0:50 A 0:00 0:00 11/01588 0:50/024 1:80 C 0:00 0:00 0:00 11/01588 0:50/024 1:80 C 0:00 0:00 0:00 12/01598 0:50/024 1:80 C 0:00 0:00 0:00 12/01598 0:50/024 1:40 C 0:55 A 1:50 50.00 12/01598 0:50/024 1:40 C 0:55 A 1:50 50.00 12/01597 0:50/024 1:40 C 0:55 A 1:50 50.00 12/01597 0:50/024 1:40 C 0:55 A 1:50 50.00 13/01972 0:50/024 0:00 C 0:00 C 0:00 C 0:00 C 13/01972 0:00/024 </td <td>1/24/1962</td> <td>2 6/30/2024</td> <td></td> <td>581</td> <td>BAKER, JASON</td> <td>CSEA</td> <td>200.00</td> <td>\$0.</td> <td>00</td> <td></td> <td></td> <td></td>	1/24/1962	2 6/30/2024		581	BAKER, JASON	CSEA	200.00	\$0.	00			
11.02198 20.2024 122 50.00 11.021988 63.0024 696 696 50.00 11.021988 63.0024 1161 CATER, JOHN NYSUT 145.00 50.00 11.021988 63.0024 1166 CATER, JOHN NYSUT 145.00 50.00 12.01988 63.0024 1166 CATER, JOHN NYSUT 145.00 50.00 12.01988 63.0024 1166 CATER, JOHNA CSEA 97.25 50.00 12.01984 63.0024 1167 CLARK, DOMA NYSUT 11.26 50.00 92.71997 63.0024 1167 CLARK, DOMA NYSUT 11.26 50.00 92.71997 63.0024 670 COX, NARA NYSUT 12.5 50.00 91.11912 63.0024 670 COX, NARA NYSUT 12.5 50.00 11.021.021.021.021.021.021.021.021.021.0	5/12/1998	6/30/2024		1452	BENNET, RYAN BROOKS REBECCA	USEA NVSUT	18.75	\$0.	00			
111/15/86 6030224 608/CAMPBELL_ERRY INYSUT 120.50 \$0.00 82/9197 6030224 1181/CARTER, JOHN INYSUT 45.00 \$0.00 82/9197 6030224 1086/CARTER, JOHN INYSUT 45.00 \$0.00 42/91965 6030224 1086/CARTER, JOHN CSEA 97.25 \$0.00 42/91965 6030224 1076/CLARK, DOHNA, Y CSEA 11.55 \$0.00 42/91967 6030224 1026/COK, MARA YY YY 11.25 \$0.00 9141977 6030224 6030224 6030224 \$0.00 \$0.00 9141977 6030224 601/CKX, KENRETH CSEA 18.00 \$0.00 10191967 6030224 713/DANS, SAHEY CSEA 18.00 \$0.00 10191977 6030224 713/DANS, SAHEY CSEA 18.00 \$0.00 102191977 6030224 713/DANS, SAHEY CSEA 19.00 \$0.00 102191976 6030224 713/DANS, SAHEY CSEA 90.0	11/2/1968	6/30/2024		726	BROWN, ANDREW	CSEA	186.25	\$0.	00			
e111188 e500228 1111(CATTER,OHM MYSUT 45.00 1281187 6500226 086(CASTLLO, SHRLEY CSEA 14.050 50.00 1281188 6502226 1408(CARK, DOMA Y CSEA 13.50 60.00 6221189 6502264 1418(CARK, DOMA Y CSEA 13.50 60.00 627189 6502264 1418(CARK, DOMA Y CSEA 14.50 60.00 627189 6502264 1418(CARK, DOMA Y CSEA 14.50 60.00 627189 6502264 670(COK, PATRICK NYSUT 125.75 50.00 1011912 6502264 670(COK, PATRICK NYSUT 14.750 50.00 10281987 6502264 713(DAX, SAELEY CSEA 194.50 50.00 10281987 6502264 109(COWARDS, KEW WYSUT 14.760 50.00 10141987 6502264 1391(CARES, AACA WYSUT 14.760 50.00 10141987 6502264 1391(CARES, AACA WYSUT 14.50 50.00 <td>11/13/1966</td> <td>6/30/2024</td> <td></td> <td>695</td> <td>CAMPBELL, JERRY</td> <td>NYSUT</td> <td>120.50</td> <td>\$0.</td> <td>00</td> <td></td> <td></td> <td></td>	11/13/1966	6/30/2024		695	CAMPBELL, JERRY	NYSUT	120.50	\$0.	00			
accist bookst bookst bookst bookst accist bookst bookst bookst bookst bookst accist bookst bookst bookst bookst bookst bookst accist bookst bookst bookst bookst bookst bookst accist bookst bookst bookst	6/15/1988	6/30/2024		1161	CARTER, JOHN	NYSUT	45.00	\$0.	00			
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M2/199/ 630/204 14/20/COOR MARA NYSUI 11/25 \$30.00 31/01/96 630/204 670/COOR PER, MC:VAEL CSEA 14157 \$30.00 31/01/96 630/204 670/COOR PER, MC:VAEL CSEA 163.00 \$30.00 31/01/97 630/204 670/COOR PER, MC:VAEL CSEA 168.00 \$30.00 10/201/96 630/204 713/DAVS, SASH, EY CSEA 168.00 \$30.00 10/201/97 630/204 173/DAVS, SASH, EY CSEA 168.00 \$30.00 32/201/97 630/204 138/EVRAS, MUSTH MYSUT 80.75 \$30.00 32/201/97 630/204 168/EVRAS, MUSTH MYSUT 161.05 \$30.00 32/201/97 630/204 168/EVRAS, MUSTH MYSUT 161.05 \$30.00 31/201/97 630/204	9/25/1991	6/30/2024		1215	COLLINS, KIMBERLY	CSEA	79.25	\$0.	00			
11011682 0.3002024 0.001/COV_PATRICK NYSUT 125 75 \$0.00 10211672 0.3002024 001/COV_PATRICK CSEA 168 00 \$0.00 10211672 0.3002024 7113/DAVS_ASHLEY CSEA 168 00 \$0.00 10211697 0.3002024 7113/DAVS_ASHLEY CSEA 168 00 \$0.00 202116987 0.3002024 1713/DAVS_ASHLEY CSEA 169 50 \$0.00 20211598 0.3002024 530/EVANS_USTIN NYSUT 147 50 \$0.00 213115987 0.3002024 1992/EVANS_USTIN NYSUT 147 50 \$0.00 113115987 0.3002024 1992/EVANS_USTIN NYSUT 21 50 \$0.00 10115987 0.3002024 1992/EOSTER, TMOTHY CSEA 97 55 \$0.00 10115986 0.3002024 624/GONZALES, BRENDA CSEA 150 75 \$0.00 102119976 0.302024 624/GONZALES, BRENDA CSEA 150 75 \$0.00 123019979 63020204 63020204 6302	9/2//199/	6/30/2024		1420		ICSEA	11.25	\$0.	00			
1/31/1972 6/30/2024 801 [CRU, KENNETH CSEA 163:00 \$0.00 1/01/41967 6/30/2024 711 [DUZ, KATHERNE CSEA 194:60 \$0.00 1/01/41967 6/30/2024 1036 [EVWARDS, KEVIN NYSUT 50.75 \$0.00 1/22/1976 6/30/2024 539 [EVMARD, KEVIN NYSUT 147.50 \$0.00 1/22/1976 6/30/2024 8/37 [EVRES, AGKK NYSUT 147.50 \$0.00 3/15/1979 6/30/2024 1026 [GORZ, JOSEPH NYSUT 25.00 \$0.00 9/19192 6/30/2024 1265 [GORZ, JOSEPH NYSUT 22.50 \$0.00 10/311961 6/30/2024 6/24 [GORZ, SERENDA CSEA 151.50 \$0.00 10/311961 6/30/2024 6/24 [GORZ, SERENDA CSEA 151.50 \$0.00 10/311961 6/30/2024 6/32 [GORZ, SURANTHA CSEA 151.50 \$0.00 1/311976 6/30/2024 6/32 [GORZ, SURANTHA CSEA 151.50 \$0.00 1/311976 6/30/2024 6/34 [GARX, SAUANTHA CSEA 25.5 \$0.00 1/31191797	3/10/1965	6/30/2024		670	COX, PATRICK	NYSUT	125.75	\$0.	00			
10/261967 6:30/2024 713/DAVIS, ASH.EY CSEA 188.00 \$0.00 3/2911997 6:30/2024 1096/EDWARDS, KEVN NYSUT 50.75 \$0.00 3/2911997 6:30/2024 1096/EDWARDS, KEVN NYSUT 147.50 \$0.00 2/2411956 6:30/2024 6:39/EVANS, JUSTNN NYSUT 181.00 \$0.00 3/2911997 6:30/2024 6:32/EVANS, JUSTNN NYSUT 181.00 \$0.00 9/119197 6:30/2024 1025/CORAL, ANNA CSEA 60.00 \$0.00 10/319198 6:30/2024 125/GARCIA, ANNA CSEA 160.75 \$0.00 10/319198 6:30/2024 6:24/GONZALES, BRENDA CSEA 150.75 \$0.00 10/319197 6:30/2024 6:24/GONZALES, BRENDA CSEA 150.75 \$0.00 12/911978 6:30/2024 6:24/GONZALES, BRENDA CSEA 150.75 \$0.00 12/911978 6:30/2024 10:30/HANTHA CSEA 150.5 \$0.00 12/911979 6:30/2024 16:30/HANTHA<	1/31/1972	2 6/30/2024		801	CRUZ, KENNETH	CSEA	163.00	\$0.	00			
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Bits Display Display <thdisplay< th=""> <thdisplay< th=""> <thdisp< td=""><td>3/15/1987</td><td>6/30/2024</td><td></td><td>1092</td><td>FOSTER, TIMOTHY</td><td>CSEA</td><td>97.25</td><td>\$0.</td><td>00</td><td></td><td></td><td></td></thdisp<></thdisplay<></thdisplay<>	3/15/1987	6/30/2024		1092	FOSTER, TIMOTHY	CSEA	97.25	\$0.	00			
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2191976 6/30/2024 834/GRAY_SAMANTHA CSEA 150.75 \$0.00 12/201979 6/30/2024 922/GREEN_JACOB CSEA 131.50 \$0.00 5/27/1999 6/30/2024 1460/HARRIS_DENNIS NYSUT 4.25 \$0.00 8/5/1999 6/30/2024 1500/HALL_JEFFREY CSEA 2.25 \$0.00 1/16/1996 6/30/2024 1400/HARRIS_DENNIS NYSUT 11.25 \$0.00 1/16/1996 6/30/2024 1326/HERNANDEZ_BETTY CSEA 2.975 \$0.00 10/17/1996 6/30/2024 1327/HOWARD_OLIVIA CSEA 2.700 \$0.00 10/17/1996 6/30/2024 1057/HUGHES_SARAH NYSUT 15.05 \$0.00 8/27/1989 6/30/2024 1188/JACKSON, CHRISTOPHER CSEA 27.05 \$0.00 8/27/1989 6/30/2024 1188/JAKES, NOLALD CSEA 20.75 \$0.00 12/1/1997 6/30/2024 1188/JAKESON, CHRISTOPHER CSEA 20.75 \$0.00 12/1/1997 6/30/2024 1188/JAKESON, AMANDA NYSUT 144.25 \$0.00 12/2/1998	10/3/1962	2 6/30/2024		624	GONZALES, BRENDA	CSEA	200.00	\$0.	00			
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Obstacl Trost <	5/27/1999	6/30/2024		922	GUTIERREZ MARY	NYSUT	4 25	50.	00			
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1/18/1996 6/30/2024 1328 HERNANDEZ, BETY CSEA 29.75 \$0.00 3/3/1996 6/30/2024 1337 HOWARD, OLIVIA CSEA 27.00 \$0.00 10/17/1996 6/30/2024 1057 HUGHES, SARAH NYSUT 51.50 \$0.00 12/7/1989 6/30/2024 1057 HUGHES, SARAH NYSUT 51.50 \$0.00 8/27/1989 6/30/2024 1198 JACKSON, CHRISTOPHER CSEA 87.00 \$0.00 12/1/1997 6/30/2024 1408 JAMES, RONALD CSEA 20.75 \$0.00 11/29/1998 6/30/2024 1428 JIMERZ, WILLIAM CSEA 20.75 \$0.00 11/29/1998 6/30/2024 526 JOHNSON, AMANDA NYSUT 144.25 \$0.00 11/29/1998 6/30/2024 568 KELY, NICOLE CSEA 199.25 \$0.00 10/28/1990 6/30/2024 665 KILY, NICOLE CSEA 199.25 \$0.00 10/28/1980 6/30/2024 8613 LEE, DANIEL CSEA 199.25 \$0.00 3/1191197 6/30/2024 8613 LEE, DANIEL CSEA 199.25 \$0.00 <t< td=""><td>5/14/1997</td><td>6/30/2024</td><td></td><td>1406</td><td>HARRIS, DENNIS</td><td>NYSUT</td><td>11.25</td><td>\$0.</td><td>00</td><td></td><td></td><td></td></t<>	5/14/1997	6/30/2024		1406	HARRIS, DENNIS	NYSUT	11.25	\$0.	00			
Jost 2020 Jost Hull, Hull, Hull Intol Jost 1330 Jost 200 1017/1986 6/30/2024 1057 HUGHES, SARAH NYSUT 51.50 \$0.00 12/7/1989 6/30/2024 1057 HUGHES, SARAH NYSUT 51.50 \$0.00 8/27/1989 6/30/2024 1198 JACKSON, CHRISTOPHER CSEA 27.00 \$0.00 8/27/1989 6/30/2024 11428 JAMES, RONALD CSEA 21.50 \$0.00 12/1/1997 6/30/2024 1429 JAMES, RONALD CSEA 20.75 \$0.00 11/29/1958 6/30/2024 6/30/2024 6/30/2024 \$0.00 \$0.00 11/29/1958 6/30/2024 6/30/2024 6/36 KELLY, NICOLE CSEA 198.25 \$0.00 10/28/1960 6/30/2024 6/56 KM, PATRICIA CSEA 199.25 \$0.00 10/28/1960 6/30/2024 6/56 KM, PATRICIA CSEA 199.25 \$0.00 3/17/1975 6/30/2024 8/31 LEE, DANIEL CSEA 199.25 \$0.00 3/17/1975 6/30/2024 8	2/2/1006	6/30/2024		1326		ICSEA INVELIT	29.75	\$0.	00			
1277/1984 6/30/2024 1057 HUGHES, SARAH NYSUT 51.50 \$0.00 8/27/1989 6/30/2024 1198 JACKSON, CHRISTOPHER CSEA 87.00 \$0.00 8/9/1997 6/30/2024 1408 JAMES, RONALD CSEA 21.50 \$0.00 12/1/1997 6/30/2024 1429 JAMENEZ, WILLIAM CSEA 20.75 \$0.00 11/29/1958 6/30/2024 526 JOHNSON, AMANDA NYSUT 144.25 \$0.00 11/29/1958 6/30/2024 634 JONES, ANGELA CSEA 198.25 \$0.00 10/26/1960 6/30/2024 658 KELLY, NICOLE CSEA 198.25 \$0.00 10/26/1960 6/30/2024 655 KIM, PATRICIA CSEA 199.25 \$0.00 1/1/1975 6/30/2024 870 KING, FRANK CSEA 199.25 \$0.00 1/8/1978 6/30/2024 870 KING, SUSAN CSEA 122.75 \$0.00 3/1/1975 6/30/2024 873 LOPEZ, BRANDON NYSUT 69.55 \$0.00 12/8/1981 <td< td=""><td>10/17/1996</td><td>6/30/2024</td><td></td><td>1377</td><td>HOWARD, OLIVIA</td><td>CSEA</td><td>27.00</td><td>\$0.</td><td>00</td><td></td><td></td><td></td></td<>	10/17/1996	6/30/2024		1377	HOWARD, OLIVIA	CSEA	27.00	\$0.	00			
8/27/1989 6/30/2024 1198 JACKSON, CHRISTOPHER CSEA 87.00 \$0.00 8/9/1997 6/30/2024 1408 JAMES, RONALD CSEA 21.50 \$0.00 12/1/1997 6/30/2024 1429 JAMES, RONALD CSEA 20.75 \$0.00 11/29/1958 6/30/2024 526 JOHNSON, AMANDA NYSUT 144.25 \$0.00 11/29/1958 6/30/2024 634 JONES, ANGELA CSEA 198.25 \$0.00 10/26/1960 6/30/2024 638 KELLY, NICOLE CSEA 198.25 \$0.00 10/26/1960 6/30/2024 655 KKIL, PATRICIA CSEA 197.25 \$0.00 11/1975 6/30/2024 870 KING, FRANK CSEA 197.25 \$0.00 7/8/1978 6/30/2024 870 KING, FRANK CSEA 139.25 \$0.00 3/17/1975 6/30/2024 813 LEE, DANIEL CSEA 139.25 \$0.00 3/17/1975 6/30/2024 813 LEE, DANIEL CSEA 132.75 \$0.00 12/8/1981 6/30/2024 958 LONG, SUSAN <td>12/7/1984</td> <td>6/30/2024</td> <td></td> <td>1057</td> <td>HUGHES, SARAH</td> <td>NYSUT</td> <td>51.50</td> <td>\$0.</td> <td>00</td> <td></td> <td></td> <td></td>	12/7/1984	6/30/2024		1057	HUGHES, SARAH	NYSUT	51.50	\$0.	00			
Origination Introductor CSEA 21.109 30.00 12/11/1971 6/30/2024 1429 30.00 30.00 11/29/1958 6/30/2024 526 JOHNSON, AMANDA NYSUT 144.25 \$0.00 12/26/1962 6/30/2024 634 JONES, ANGELA CSEA 198.25 \$0.00 10/26/1960 6/30/2024 668 KELLY, NICOLE CSEA 199.25 \$0.00 10/26/1960 6/30/2024 665 KELLY, NICOLE CSEA 199.25 \$0.00 10/26/1960 6/30/2024 665 KELLY, NICOLE CSEA 199.25 \$0.00 7/8/1978 6/30/2024 870 KING, FRANK CSEA 139.25 \$0.00 3/17/1975 6/30/2024 873 LEE, DANIEL CSEA 139.25 \$0.00 3/17/1975 6/30/2024 873 LOPEZ, BRANDON NYSUT 169.75 \$0.00 12/8/1981 6/30/2024 973 LOPEZ, BRANDON NYSUT 76.50 \$0.00	8/27/1989	6/30/2024		1198	JACKSON, CHRISTOPHER	CSEA	87.00	\$0.	00			
Internation State State State State 11/29/1980 6/30/2024 526 JOHNSON, AMANDA NYSUT 144.25 \$0.00 12/26/1962 6/30/2024 634 JONES, ANGELA CSEA 199.25 \$0.00 10/26/1960 6/30/2024 668 KELLY, NICOLE CSEA 200.00 \$0.00 10/26/1960 6/30/2024 665 KKIM, PATRICIA CSEA 199.25 \$0.00 7/8/1978 6/30/2024 665 KKIM, PATRICIA CSEA 199.25 \$0.00 3/17/1975 6/30/2024 870 KING, FRANK CSEA 139.25 \$0.00 3/17/1975 6/30/2024 873 LEE, DANIEL CSEA 152.75 \$0.00 3/17/1975 6/30/2024 944 LEWIS, EDWARD NYSUT 69.75 \$0.00 8/1/1980 6/30/2024 938 LOPEZ, BRANDON NYSUT 76.50 \$0.00 12/8/1981 6/30/2024 873 LOPEZ, BRANDON NYSUT 76.50 \$0.00 2/1/1967 6/30/2024 1711 MARTIN, CYNTHIA CSEA	12/1/1997	6/30/2024		1408	JIMENEZ, WILLIAM	CSEA	21.50	50	00			
12/28/1962 6/30/2024 634 JONES, ANGELA CSEA 198.25 \$0.00 10/28/1960 6/30/2024 568 KELLY, NICOLE CSEA 200.00 \$0.00 4/1/1964 6/30/2024 665 KKIL, PATRICIA CSEA 197.25 \$0.00 7/8/1978 6/30/2024 870 KING, FRANK CSEA 139.25 \$0.00 3/17/1975 6/30/2024 870 KING, FRANK CSEA 152.75 \$0.00 3/17/1975 6/30/2024 813 LEE, DANIEL CSEA 152.75 \$0.00 8/1/1980 6/30/2024 913 LEE, DANIEL CSEA 192.25 \$0.00 8/1/1980 6/30/2024 938 LONG, SUSAN CSEA 192.25 \$0.00 12/8/1981 6/30/2024 873 LOPEZ, BRANDON NYSUT 76.50 \$0.00 12/8/1978 6/30/2024 873 LOPEZ, BRANDON NYSUT 76.50 \$0.00 12/8/1978 6/30/2024 111 MARTIN, CYNTHIA CSEA 195.25 \$0.00 2/1/1967 6/30/2024 1129 MARTINEZ, BENJAMIN	11/29/1958	6/30/2024		526	JOHNSON, AMANDA	NYSUT	144.25	\$0.	00			
10/201950 6/30/2024 568 KELLY, INCOLE CSEA 200.00 \$0.00 4/1/1964 6/30/2024 665 KM, PATRICIA CSEA 197.25 \$0.00 3/17/1975 6/30/2024 870 KM, PATRICIA CSEA 197.25 \$0.00 3/17/1975 6/30/2024 871 KELLY, INCOLE CSEA 197.25 \$0.00 3/17/1975 6/30/2024 873 ILEE, DANIEL CSEA 152.75 \$0.00 3/17/1975 6/30/2024 944 LEWIS, EDWARD NYSUT 69.75 \$0.00 8/11980 6/30/2024 944 LEWIS, EDWARD CSEA 122.25 \$0.00 12/8/1981 6/30/2024 973 LOPEZ, BRANDON NYSUT 76.50 \$0.00 12/6/1978 6/30/2024 873 LOPEZ, BRANDON NYSUT 76.50 \$0.00 2/1/1967 6/30/2024 1128/1MARTINEZ, BENJAMIN CSEA 195.25 \$0.00 4/1/21/993 6/30/2024 1270 MENDOZA, SAMUEL CSEA<	12/26/1962	2 6/30/2024		634	JONES, ANGELA	CSEA	198.25	\$0.	00			
Tributy Object Top Stress Top Stress 7/8/1978 6/30/2024 870 KING, FRANK CSEA 139.25 \$0.00 3/17/1975 6/30/2024 813 LEE, DANIEL CSEA 152.75 \$0.00 8/1/1980 6/30/2024 944 LEWIS, EDWARD NYSUT 69.75 \$0.00 12/8/1981 6/30/2024 958 LONG, SUSAN CSEA 122.25 \$0.00 12/6/1978 6/30/2024 873 LOPEZ, BRANDON NYSUT 76.50 \$0.00 2/1/1967 6/30/2024 873 LOPEZ, BRANDON NYSUT 76.50 \$0.00 2/1/1967 6/30/2024 129.04 MARTINEZ, BENJAMIN CSEA 195.25 \$0.00 2/1/1967 6/30/2024 120 MARTINEZ, BENJAMIN CSEA 55.25 \$0.00 10/2/1993 6/30/2024 1270 MENDOZA, SAMUEL CSEA 55.25 \$0.00	4/1/1064	6/30/2024		568	KELLY, NICOLE	CSEA	200.00	\$0.	00			
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12/011901 01/02/024 358 LUNG, SUSAN CSEA 122.25 \$0.00 12/011901 6/30/2024 873 LOPEZ, BRANDON NYSUT 76.50 \$0.00 2//11907 6/30/2024 711 MATTIN, CYNTHIA CSEA 195.25 \$0.00 4/22/1993 6/30/2024 1269 MARTINEZ, BENJAMIN CSEA 57.50 \$0.00 10/2/1993 6/30/2024 1270 MENDOZA, SAMUEL CSEA 55.25 \$0.00	8/1/1980	6/30/2024		944	LEWIS, EDWARD	NYSUT	69.75	\$0.	00			
2/1/1967 6/30/2024 7/11 MARTIN, CYNTHIA CSEA 195.25 \$0.00 4/22/1993 6/30/2024 1269 MARTINEZ, BENJAMIN CSEA 57.50 \$0.00 10/2/1993 6/30/2024 1270 MENDOZA, SAMUEL CSEA 55.25 \$0.00	12/8/1981	6/30/2024		958	OPEZ BRANDON	USEA NYSUT	76.50	\$0.	00			
4/22/1993 6/30/2024 1269 MARTINEZ, BENJAMIN CSEA 57.50 \$0.00 10/2/1993 6/30/2024 1270 MENDOZA, SAMUEL CSEA 55.25 \$0.00	2/1/1967	6/30/2024		711	MARTIN, CYNTHIA	CSEA	195.25	\$0.	00			
10/2/1993 6/30/2024 1270 MENDOZA, SAMUEL CSEA 55.25 \$0.00	4/22/1993	6/30/2024		1269	MARTINEZ, BENJAMIN	CSEA	57.50	\$0.	00			
	10/2/1993	6/30/2024		1270	MENDOZA, SAMUEL	CSEA	55.25	\$0.	00			

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- 100%

Application of the DATEDIF Function (Cont.)

- Solution #2: DATEDIF(A5,B5, "y") & " years, " & DATEDIF(A5,B5, "ym") & " months, " & DATEDIF(A5,B5, "md") & " days"
 - Translation: Evaluate the time elapsed between two dates at cell A5 (birth date) and cell B5 (separation date) and return the time elapsed in years ("y"), months ("ym") and days ("md"). Use the ampersand sign to connect the text "_years,_", "_months,_", and "_days" to the value for years, months and days

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1 2 3			AGE		_		TOTAL SICK DAYS		AMOUNT					
4	DOB	FYE	@ 6/30/2024	EE#	EMPLOYEE NAME	EMPLOYEE TYPE	@ 6/30/2024	RATE	ACCRUED					
5	12/7/1967	6/30/2024		717	ADAMS, JAMES	NYSUT	117.75		\$0.00					
7	5/21/1982	6/30/2024	· \\	1010	ALLEN, ERIC ALVAREZ SHARON	CSEA	95.75		\$0.00					
8 1	10/19/1973	6/30/2024		810	ANDERSON, CAROL	NYSUT	95.25		\$0.00					
9 1	10/13/1993	6/30/2024		1274	BAILEY, NANCY	NYSUT	32.00		\$0.00					
11	2/26/1998	6/30/2024		581	BENNET RYAN	CSEA	200.00		\$0.00					
12	5/12/1983	6/30/2024		1022	BROOKS, REBECCA	NYSUT	61.50		\$0.00					
13	11/2/1968	6/30/2024		726	BROWN, ANDREW	CSEA	186.25	5	\$0.00					
14 1	6/15/1988	6/30/2024		695	CAMPBELL, JERRY	NYSUT	120.50		\$0.00					
16	8/25/1977	6/30/2024		866	CASTILLO, SHIRLEY	CSEA	140.50		\$0.00					
17	12/8/1985	6/30/2024		1089	CHAVEZ, RICHARD	CSEA	97.25	5	\$0.00					
18	4/23/1999	6/30/2024		1476	CLARK, DONNA	CSEA	13.50		\$0.00					
19	9/25/1991	6/30/2024		1215	COOK MARIA	NYSUT	11.25		\$0.00					
21	5/14/1977	6/30/2024		859	COOPER, MICHAEL	CSEA	141.50		\$0.00					
22	3/10/1965	6/30/2024		670	COX, PATRICK	NYSUT	125.75	5	\$0.00					
23	1/31/1972	6/30/2024		801	CRUZ, KENNETH	CSEA	163.00		\$0.00					
24	10/14/1967	6/30/2024		713	DIAZ KATHERINE	CSEA	194 50		\$0.00					
26	3/29/1987	6/30/2024		1096	EDWARDS, KEVIN	NYSUT	50.75	5	\$0.00					
27	4/29/1959	6/30/2024		539	EVANS, JUSTIN	NYSUT	147.50		\$0.00					
8	2/24/1976	6/30/2024		837	FLORES, JACK	NYSUT	81.00		\$0.00					
0	9/9/1992	6/30/2024		1250	GARCIA ANNA	CSEA	60.00		\$0.00					
1 1	10/13/1994	6/30/2024		1285	GOMEZ, JOSEPH	NYSUT	22.50)	\$0.00					
2	10/3/1962	6/30/2024		624	GONZALES, BRENDA	CSEA	200.00)	\$0.00					
3	2/19/1976	6/30/2024		834	GREEN MCOR	CSEA	150.75		\$0.00					
5	5/27/1999	6/30/2024		1485	GUTIERREZ, MARY	NYSUT	4.25	5	\$0.00					
6	8/5/1999	6/30/2024		1500	HALL, JEFFREY	CSEA	2.25	5	\$0.00					
7	5/14/1997	6/30/2024		1406	HARRIS, DENNIS	NYSUT	11.25		\$0.00					
9	3/3/1996	6/30/2024		1326		NYSUT	29.75		\$0.00					
0 1	10/17/1996	6/30/2024		1377	HOWARD, OLIVIA	CSEA	27.00		\$0.00					
1	12/7/1984	6/30/2024		1057	HUGHES, SARAH	NYSUT	51.50)	\$0.00					
2	8/27/1989	6/30/2024		1198	JACKSON, CHRISTOPHER	CSEA	87.00		\$0.00					
4	8/9/1997	6/30/2024		1408	JAMES, RONALD	CSEA	21.50		\$0.00					
5 1	11/29/1958	6/30/2024		526	JOHNSON, AMANDA	NYSUT	144.25	5	\$0.00					
6 1	12/26/1962	6/30/2024		634	JONES, ANGELA	CSEA	198.25	i i	\$0.00					
7 1	10/26/1960	6/30/2024		568	KELLY, NICOLE	CSEA	200.00		\$0.00					
9	7/8/1978	6/30/2024		870	KING, FRANK	CSEA	139.25		\$0.00					
0	3/17/1975	6/30/2024		813	LEE, DANIEL	CSEA	152.75		\$0.00					
1	8/1/1980	6/30/2024		944	LEWIS, EDWARD	NYSUT	69.75	5	\$0.00					
2	12/8/1981	6/30/2024		958	LONG, SUSAN	CSEA	122.25		\$0.00					
4	2/1/19/8	6/30/2024		8/3	MARTIN CYNTHIA	CSEA	195 25		\$0.00					
5	4/22/1993	6/30/2024		1269	MARTINEZ, BENJAMIN	CSEA	57.50		\$0.00					
6	10/2/1993	6/30/2024		1270	MENDOZA, SAMUEL	CSEA	55.25	i i	\$0.00					
	8/31/1007	6/30/2024		1/17	IMILLER ANTHONY	ICSEA	20.00	1	\$0.00					

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Application of the DATEDIF Function (Cont.)

- Instead of sorting the dataset we will use a nested function perform the rate evaluation
- □ *IF*(*DATEDIF*(A5,B5,"y")>=58,*IF*(F5="NYSUT", 55,40),0)
 - Translation: If the age returned by the DATEDIF is greater than or equal to 58, look at Column F for the bargaining unit. If the bargaining unit is NYSUT, return 55, otherwise return 40. If the DATEDIF returns a value less than 58, return 0.
 - Answer: \$116,003.75

June 2	024 TeaTim	ne Dataset 🗸						John Tamburello	(JT)	-	
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A	В	C	D	E	F	G H	1	JK	L	M N	
DOB	FYE	AGE @ 6/30/2024	EE#	EMPLOYEE NAME	EMPLOYEE TYPE	SICK DAYS @ 6/30/2024 RAT	AMOUNT E ACCRUED				
12/7/1967	6/30/2024	56 years,6 months,23 days	717	ADAMS, JAMES	NYSUT	62.75	\$0.00				
5/21/1987	6/30/2024	37 years,1 months,9 days	1131	ALVAREZ, SHARON	CSEA	95.75	\$0.00				
10/19/1973	6/30/2024	50 years,8 months,11 days	810	ANDERSON, CAROL	NYSUT	95.25	\$0.00				
10/13/1993	6/30/2024	30 years,8 months,17 days 62 years 5 months 6 days	1274	BAILEY, NANCY BAKER JASON	NYSUT CSEA	32.00	\$0.00				
2/26/1998	6/30/2024	26 years,4 months,4 days	1452	BENNET, RYAN	CSEA	18.75	\$0.00				
5/12/1983	6/30/2024	41 years,1 months,18 days	1022	BROOKS, REBECCA	NYSUT	61.50	\$0.00				
11/2/1968	6/30/2024	55 years / months 28 days 57 years 7 months 17 days	695		NYSUT	186.25	\$0.00				
6/15/1988	6/30/2024	36 years,0 months,15 days	1161	CARTER, JOHN	NYSUT	45.00	\$0.00				
8/25/1977	6/30/2024	46 years, 10 months, 5 days	866	CASTILLO, SHIRLEY	CSEA	140.50	\$0.00				
4/23/1985	6/30/2024	25 years 2 months 22 days	1089 0	CLARK DONNA	CSEA	97.25	\$0.00				
9/25/1991	6/30/2024	32 years,9 months,5 days	1215	COLLINS, KIMBERLY	CSEA	79.25	\$0.00				
9/27/1997	6/30/2024	26 years,9 months,3 days	1420	COOK, MARIA	NYSUT	11.25	\$0.00				
5/14/1977	6/30/2024	47 years,1 months,16 days 59 years 3 months 20 days	859 0	COOPER, MICHAEL	CSEA NYSUT	141.50	\$0.00				
1/31/1972	6/30/2024	52 years,4 months,30 days	801	CRUZ, KENNETH	CSEA	163.00	\$0.00				
10/26/1967	6/30/2024	56 years,8 months,4 days	713	DAVIS, ASHLEY	CSEA	188.00	\$0.00				
3/29/1987	6/30/2024	37 years 3 months 16 days	711	DIAZ, KATHERINE	CSEA NYSUT	194.50	\$0.00				
4/29/1959	6/30/2024	65 years,2 months,1 days	539	EVANS, JUSTIN	NYSUT	147.50	\$0.00				
2/24/1976	6/30/2024	48 years,4 months,6 days	837	LORES, JACK	NYSUT	81.00	\$0.00				
3/15/1987 9/9/1992	6/30/2024	37 years,3 months,15 days 31 years 9 months 21 days	1092	SARCIA ANNA	CSEA	97.25	\$0.00				
10/13/1994	6/30/2024	29 years,8 months,17 days	1285	SOMEZ, JOSEPH	NYSUT	22.50	\$0.00				
10/3/1962	6/30/2024	61 years,8 months,27 days	624	GONZALES, BRENDA	CSEA	200.00	\$0.00				
2/19/1976	6/30/2024	48 years,4 months,11 days	834 0	SREEN JACOB	CSEA	150.75	\$0.00				
5/27/1999	6/30/2024	25 years,1 months,3 days	1485	GUTIERREZ, MARY	NYSUT	4.25	\$0.00				
8/5/1999	6/30/2024	24 years,10 months,25 days	1500	HALL, JEFFREY	CSEA	2.25	\$0.00				
5/14/1997	6/30/2024	27 years,1 months,16 days 28 years 5 months,12 days	1406	HARKIS, DENNIS	CSEA	29.75	\$0.00				
3/3/1996	6/30/2024	28 years,3 months,27 days	1341	HLL, HELEN	NYSUT	19.50	\$0.00				
10/17/1996	6/30/2024	27 years,8 months,13 days	1377	HOWARD, OLIVIA	CSEA	27.00	\$0.00				
8/27/1984	6/30/2024	39 years,6 months,23 days 34 years 10 months 3 days	1057	AUGHES, SARAH IACKSON, CHRISTOPHER	CSEA	51.50	\$0.00				
8/9/1997	6/30/2024	26 years, 10 months, 21 days	1408	IAMES, RONALD	CSEA	21.50	\$0.00				
12/1/1997	6/30/2024	26 years,6 months,29 days	1429	IMENEZ, WILLIAM	CSEA	20.75	\$0.00				
12/26/1958	6/30/2024	65 years,7 months,1 days 61 years 6 months 4 days	526	IONES ANGELA	CSEA	144.25	\$0.00				
10/26/1960	6/30/2024	63 years,8 months,4 days	568	KELLY, NICOLE	CSEA	200.00	\$0.00				
4/1/1964	6/30/2024	60 years,2 months,29 days	655 H	KIM, PATRICIA	CSEA	197.25	\$0.00				
7/8/1978	6/30/2024	45 years,11 months,22 days	870	KING, FRANK	CSEA	139.25	\$0.00				
8/1/1980	6/30/2024	43 years, 10 months, 29 days	944 1	EWIS, EDWARD	NYSUT	69.75	\$0.00				
12/8/1981	6/30/2024	42 years,6 months,22 days	958 1	ONG, SUSAN	CSEA	122.25	\$0.00				
12/6/1978	6/30/2024	45 years,6 months,24 days	873 1	OPEZ, BRANDON	NYSUT	76.50	\$0.00				
4/22/1993	6/30/2024	31 years,2 months,29 days	1269	MARTINEZ, BENJAMIN	CSEA	57.50	\$0.00				
10/2/1993	6/30/2024	30 years,8 months,28 days	1270	MENDOZA, SAMUEL	CSEA	55.25	\$0.00				
8/31/1007	6/30/2024	26 viagre 0 monthe 20 days	1/17	ALLER ANTHONY	CSEA	20.00	\$0.00				

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- Being able to understand the syntax of the builtin functions will assist the user in making use of the right tools for the job, and help with troubleshooting should errors occur
- Learning how to use Excel's built-in functions can provide tremendous ROI in hours saved in performing analysis
- Proficiency in using more powerful built-in functions allows a user to find answers within large datasets in small amount of time

Index to TeaTime Topics

March 2023	June 2023	September 2023	December 2023	March 2024
Overview of double entry bookkeeping	Food Service bad debts and subsequent collections	Accounting for Summer 4408 activity	Due To/From accounting and how to reconcile	Reviewing (F) Fund grants – tasks to do now
Areas to check mid-year	Accounting for BANs		Grossing up TRS/State Aid	Accounting for May 2024 Propositions
Recording Deferred Taxes	Accounting for fund balance reserves		Accounting for ERS payment	23-24 waiver for C Fund bad debt
Recording budget with funding/use from reserves in it			Cleaning up old payables	Accounting for 2020-21 State Aid recoveries
			Cleaning up old receivables	





Questar III

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