

Combining data from two cells

Task 1: Combine the two sets of names in columns First Name and Last Name in a new column called Full Name.

	F2	=CONCATENATE(A2, " ", B2)					
1	First	Last	Month	Day	Year	Full name	
2	George	Washington	April	30	1789	=CONCATENATE(A2, " ", B2)	
3	John	Adams	March	4	1797	John Adams	
4	Thomas	Jefferson	March	4	1801	Thomas Jefferson	
5	James	Madison	March	4	1809	James Madison	
6	James	Monroe	March	4	1817	James Monroe	
7	John Quincy	Adams	March	4	1825	John Quincy Adams	
8	Andrew	Jackson	March	4	1829	Andrew Jackson	
9	Martin	Van Buren	March	4	1837	Martin Van Buren	
10	William Henry	Harrison	March	4	1841	William Henry Harrison	
11	John	Tyler	April	4	1841	John Tyler	
12	James K.	Polk	March	4	1845	James K. Polk	
13	Zachary	Taylor	March	4	1849	Zachary Taylor	
14	Millard	Fillmore	July	9	1850	Millard Fillmore	
15	Franklin	Pierce	March	4	1853	Franklin Pierce	
16							

Combining data from three cells

Task 2: Combine the month, day, and year into a single data value: Date

	G2	=CONCATENATE(C2, " ", D2, " ", E2)					
1	A	B	C	D	E	F	G
2	First	Last	Month	Day	Year	Full name	Date
3	George	Washington	April	30	1789	George Washington	April 30, 1789
4	John	Adams	March	4	1797	John Adams	March 4, 1797
5	Thomas	Jefferson	March	4	1801	Thomas Jefferson	March 4, 1801
6	James	Madison	March	4	1809	James Madison	March 4, 1809
7	James	Monroe	March	4	1817	James Monroe	March 4, 1817
8	John Quincy	Adams	March	4	1825	John Quincy Adams	March 4, 1825
9	Andrew	Jackson	March	4	1829	Andrew Jackson	March 4, 1829
10	Martin	Van Buren	March	4	1837	Martin Van Buren	March 4, 1837
11	William Henry	Harrison	March	4	1841	William Henry Harrison	March 4, 1841
12	John	Tyler	April	4	1841	John Tyler	April 4, 1841
13	James K.	Polk	March	4	1845	James K. Polk	March 4, 1845
14	Zachary	Taylor	March	4	1849	Zachary Taylor	March 4, 1849
15	Millard	Fillmore	July	9	1850	Millard Fillmore	July 9, 1850
16	Franklin	Pierce	March	4	1853	Franklin Pierce	March 4, 1853

Data validation

Task 1: Making a Drop up menu for the status of the project that includes multiple options.

The screenshot shows a Microsoft Excel spreadsheet titled 'Sheet 1'. The data starts at row 1 with columns A, B, C, D, E, F, G, H, and I. Column C is labeled 'Status' and column D is labeled 'Review By This Date'. Row 2 contains the first entry: 'Review C5M3 plan' assigned to 'Tony' with status 'Not yet ready' and review date '2020-03-13'. A dropdown arrow is visible next to the status cell. The 'Data validation rules' sidebar is open, showing the range 'Sheet 1!C2:C1000' and criteria set to 'Dropdown'. Three items are listed: 'Not yet ready' (red circle), 'In Progress' (yellow circle), and 'Ready' (green circle). Buttons for 'Add another item' and 'Done' are present.

Task 2: Creating customs checkboxes (Approved and Not approved)

The screenshot shows a Microsoft Excel spreadsheet titled 'Sheet 1'. The data structure is identical to Task 1, with columns A through I and rows 1 through 30. The 'Review By This Date' column (D) contains dates from '2020-03-13' to '2020-06-12'. The 'Approval by the reviewers' column (E) contains checkboxes. A dropdown arrow is visible next to the first checkbox in row 2. The 'Data validation rules' sidebar is open, showing the range 'Sheet 1!E2:E1000' and criteria set to 'Checkbox'. Under 'Advanced options', 'Use custom cell values' is checked, with 'Checked:' set to 'Approved' and 'Unchecked:' set to 'Not Approved'. Buttons for 'Remove rule' and 'Done' are present.

=AVERAGE(B2:B11) and formula was extended across the row

Conditional formatting for color range

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Monthly sales	January	February	March	April	May	June	July	August	September	October	November	December
2		\$47,563.00	\$49,078.00	\$51,324.00	\$55,678.00	\$54,687.00	\$72,013.00	\$80,443.00	\$86,785.00	\$90,876.00	\$67,712.00	\$70,048.00	\$145,378.00
3		\$39,575.00	\$50,384.00	\$56,827.00	\$60,401.00	\$59,802.00	\$84,023.00	\$59,733.00	\$86,568.00	\$90,986.00	\$68,145.00	\$81,811.00	\$199,468.00
4		\$56,591.00	\$50,319.00	\$51,627.00	\$53,040.00	\$63,607.00	\$84,145.00	\$72,511.00	\$91,004.00	\$95,838.00	\$70,003.00	\$79,809.00	\$155,736.00
5		\$39,113.00	\$40,107.00	\$52,332.00	\$63,681.00	\$54,788.00	\$69,505.00	\$69,789.00	\$80,030.00	\$96,448.00	\$70,317.00	\$74,153.00	\$160,152.00
6		\$41,666.00	\$53,993.00	\$43,428.00	\$64,898.00	\$58,070.00	\$77,845.00	\$79,131.00	\$83,993.00	\$93,311.00	\$67,773.00	\$71,925.00	\$159,231.00
7		\$38,405.00	\$46,658.00	\$40,267.00	\$53,313.00	\$57,532.00	\$78,583.00	\$70,271.00	\$88,744.00	\$95,468.00	\$66,886.00	\$82,020.00	\$162,724.00
8		\$41,756.00	\$41,311.00	\$50,981.00	\$62,467.00	\$54,526.00	\$84,282.00	\$73,403.00	\$82,530.00	\$92,958.00	\$67,167.00	\$75,553.00	\$161,102.00
9		\$56,061.00	\$40,703.00	\$47,350.00	\$56,515.00	\$60,270.00	\$75,195.00	\$70,765.00	\$89,011.00	\$91,707.00	\$73,375.00	\$77,740.00	\$162,880.00
10		\$57,355.00	\$46,703.00	\$44,234.00	\$57,172.00	\$63,455.00	\$72,180.00	\$82,110.00	\$90,201.00	\$90,814.00	\$69,444.00	\$73,301.00	\$192,224.00
11		\$42,234.00	\$54,050.00	\$42,377.00	\$61,252.00	\$55,787.00	\$78,382.00	\$88,438.00	\$89,150.00	\$95,810.00	\$70,843.00	\$75,393.00	\$137,534.00
12	Average by month	\$46,031.90	\$47,330.60	\$48,074.70	\$58,841.70	\$58,252.40	\$77,615.30	\$74,659.40	\$86,801.60	\$93,421.60	\$69,166.50	\$76,175.30	\$165,642.90
13													

*Summer months (August \$86,801.60; September \$93,421.60) and December (\$165,642.90) have the highest average sales.

Task 5: To find the minimum and maximum for average monthly sales.

=MIN(B12:M12)

=MAX(B12:M12)

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14	Lowest monthly Average	\$46,031.90	January	
15	Highest monthly Average	\$165,642.90	December	
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17				

*For this store location, sales are strongest in December and weakest in January.

Data cleaning

Task1: change text string to numeric value

=VALUE(A1:A4) and then =SUM(B2:B4)

D8	A	B	C
1	Value stored as plain text	Numeric value	
2	123	123	
3	456	456	
4	789	789	
5	0	1368	
6			

Dataset:

	A	B
1	Names	favourite flower
2	Jorge	Roses
3	Juan	Lily
4	Andres	Dahlia
5	Mariana	Daisy
6	Juan	Lily
7		

Task 1: Remove blank spaces from the dataset

=TRIM(B2:B6)



The screenshot shows a spreadsheet interface with a menu bar (File, Edit, View, Insert, Format, Data, Tools, Extensions, Help) and a toolbar below it (Search, Undo, Redo, Print, 100%, Number Format, Default...). The formula bar at the top contains the formula =TRIM(B2:B6). The main table has three columns: A (Names), B (favourite flower), and C (favourite flower). The data rows are: 1. Names: Jorge, Value: Roses, C: Roses. 2. Names: Juan, Value: Lily, C: Lily. 3. Names: Andres, Value: Dahlia, C: Dahlia. 4. Names: Mariana, Value: Daisy, C: Daisy. 5. Names: Juan, Value: Lily, C: Lily.

	A	B	C
1	Names	favourite flower	favourite flower
2	Jorge	Roses	Roses
3	Juan	Lily	Lily
4	Andres	Dahlia	Dahlia
5	Mariana	Daisy	Daisy
6	Juan	Lily	Lily
7			

Task 2: Remove duplicate

A screenshot of a spreadsheet application interface. The menu bar includes File, Edit, View, Insert, Format, Data, Tools, Extensions, and Help. The Data menu is open, showing various options like Sort sheet, Sort range, Create a filter, and Data cleanup. The 'Data cleanup' option is highlighted with a green 'New' badge. A sub-menu for 'Data cleanup' shows Cleanup suggestions, Remove duplicates, and Trim whitespace. The main workspace shows a table with columns A and B. Column A contains rows 1 through 6 with data: Names (Names, Jorge, Juan, Andres, Mariana, Juan). Column B contains rows 1 through 6 with data: favourite flower (Roses, Lily, Dahlia, Daisy, Lily). Rows 7 through 24 are empty.

	A	B
1	Names	favourite flower
2	Jorge	Roses
3	Juan	Lily
4	Andres	Dahlia
5	Mariana	Daisy
6	Juan	Lily
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	A	B
1	Names	favourite flower
2	Jorge	Roses
3	Juan	Lily
4	Andres	Dahlia
5	Mariana	Daisy
6		
7		

