

FUNCTIONS

BACKGROUND INFORMATION FOR LEARNERS

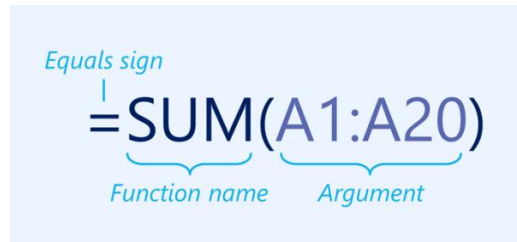
To unlock the power of Excel, you need to use formulas and functions. These calculation tools help you bring information to the surface and make better decisions. Formulas and Functions shows beginner-level users how to summarize and analyze data with these powerful data analysis features.

INTRODUCTION

A **function** are the ready-made formulas that perform a series of operations on a specific range of values. Excel includes many common functions that can be used to quickly find the **sum**, **average**, **count**, **maximum value**, and **minimum value** for a range of cells. In order to use functions correctly, you'll need to understand the different **parts of a function** and how to create **arguments** to calculate values and cell references.

The Parts of a Function

In order to work correctly, a function must be written a specific way, which is called the **syntax**. The basic syntax for a function is the **equals sign (=)** indicates that what follows is a function(formula), the **function name** indicates the operation that will be performed (example SUM, AVERAGE, COUNT, MIN, MAX), and one or more **arguments**. Arguments contain the information you want to calculate. The function in the example below would add the values of the cell range A1:A20.



Working with arguments

Arguments can refer to both **individual cells** and **cell ranges** and must be enclosed within **parentheses**. You can include one argument or multiple arguments, depending on the syntax required for the function.

For example, the function `=AVERAGE(B1:B9)` would calculate the **average** of the values in the cell range B1:B9. This function contains only one argument.

NETWORK...					
X ✓ <i>fx</i> =AVERAGE(B1:B9)					
	A	B	C	D	E
1		1			
2		4			
3		5			
4		6			
5		8			
6		2			
7		3			
8		5			
9		6			
10		=AVERAGE(B1:B9)			
11					

Multiple arguments must be separated by a **comma**. For example, the function =SUM(A1:A3, C1:C2, E1) will **add** the values of all of the cells in the three arguments.

A5 X ✓ <i>fx</i> =SUM(A1:A3,C1:C2,E1)						
	A	B	C	D	E	F
1	4		6		20	
2	8		10			
3	12					
4						
5	=SUM(A1:A3,C1:C2,E1)					
6						

Creating a Function

There are a variety of functions available in Excel. Here are some of the most common functions you'll use:

- **SUM:** This function **adds** all of the values of the cells in the argument.

To insert the SUM function, you can type the function manually.

The SUM function setup (syntax) is: **SUM(number1, [number2],...)**.

- It has one required argument: **number1**
- It also has optional arguments (enclosed in square brackets): [number2],...

These arguments can be cell references, or can be typed into the formula.

In the example below (=SUM(J7:M7)), there is one argument -- a reference to cells A1:A4.

1. Place your cursor in cell N7.

SUMMARY GRADE SAMPLE - Microsoft Excel

FileHomeInsertPage LayoutFormulasDataReviewView

2. Look at the formula bar to view the formula contained within the cell M7:J7.

Formula bar

The formula bar within Microsoft Excel allows the user to view or display the contents of the active cell. The formula bar can be used to manually enter a formula into a cell, edit an existing formula or function and view a formula or function. It is important to remember that the values you see displayed in a cell can be information that has been manually typed or can be the result of a formula or function which is active within a cell. If you want to see where the a is coming from, select the cell and check the formula bar.

- **AVERAGE:** This function determines the **average** of the values included in the argument. It calculates the sum of the cells and then divides that value by the number of cells in the argument.

1. Place your cursor in cell **N7**.
2. Type the = sign followed by the **AVERAGE** function.
=AVERAGE
3. Type the open parenthesis.
=AVERAGE(

IF		=AVERAGE(J7:M7)							
	A	B	J	K	L	M	T	U	V
4	LEARNER'S NAME		MAPEH						
5			MUSIC	ARTS	P.E.	HEALTH	FINAL		
6	MALE								
7	1	AGARAN,KIM JUSTINE, SEQUERA	80	80	80	79	=AVERAGE(J7:M7)		
8	2	AGUADO,ALFREDO, BALIGOD	79	80	79	80			
9	3	ALLAS,KIRBY BLUE, AUSTRIA	80	81	82	80			
10	4	ALMAZAN,JOHN PAUL, CABELLO	80	79	79	80			
11	5	AMBAS,EDRENE, RAMOS	80	80	82	80			

- Place your cursor in cell J7 and drag unto M7.
- Now you can press the **Enter** key on the keyboard

SUMMARY GRADE SAMPLE - Exce									
File Home Insert Page Layout Formulas Data Review View Help Tell me what you want to do									
<div> <div> <div>Cut</div> <div>Copy</div> <div>Paste</div> <div>Format Painter</div> </div> <div> <div>Times New Roma</div> <div>12</div> <div>A</div> <div>A</div> </div> <div> <div>B</div> <div>I</div> <div>U</div> <div></div> <div></div> <div></div> </div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>ab</div> <div>Wrap Text</div> </div> <div> <div>Number</div> </div> </div>									
R7 =AVERAGE(J7:M7)									
	A	B	J	K	L	M	R		
4	LEARNER'S NAME		MAPEH						
5			MUSIC	ARTS	P.E.	HEALTH	FINAL		
7	1	AGARAN,KIM JUSTINE, SEQUERA	80	80	80	79	80		
8	2	AGUADO,ALFREDO, BALIGOD	79	80	79	80	80		
9	3	ALLAS,KIRBY BLUE, AUSTRIA	80	81	82	80	81		
10	4	ALMAZAN,JOHN PAUL, CABELLO	80	79	79	80	80		
11	5	AMBAS,EDRENE, RAMOS	80	80	82	80	81		
12	6	BALMAYO,LANCE COLINE, -	80	80	81	80	80		

- You can use the Average function found in Formula Tab.

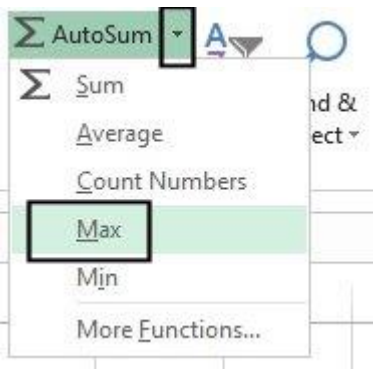
- **MAX:** This function determines the **highest cell value** included in the argument.

The MAX function is used when trying to determine the maximum or highest value from a range of cells or values.

1. Using the example above, you can get the highest total number of votes for anime by using the MAX function.

SUMMARY GRADE SAMPLE - Excel										
File Home Insert Page Layout Formulas Data Review View Help Tell me what you want to do										
Clipboard Font Alignment Number Styles										
SUM X ✓ fx =MAX(B19:G19)										
	A	B	C	D	E	F	G	H	I	J
1	Summary of My Survey									
2	Favorite Anime of Second Year Students									
3										
4	STUDENTS	GHOST WARRIOR	DRAGON X	DUNK THE BALL	VOLTS	BOX OUT	HUNTER			
5	A	1	1	1	1	1	1			
6	B	1		1	1	1	1			
7	C	1		1	1	1	1			
8	D	1	1	1	1	1	1			
9	E	1	1	1	1	1	1			
10	F		1	1	1	1				
11	G	1		1	1	1	1			
12	H		1	1	1	1	1			
13	I	1	1		1	1				
14	J		1	1	1	1	1			
15	K	1	1	1	1	1	1			
16	L	1		1		1				
17	M	1	1		1	1	1			
18	O	1	1	1	1	1	1			
19	TOTAL	11	10	12	13	13	11			

2. You can use the MAX function found in Formula tab.



- **MIN:** This function determines the **lowest cell value** included in the argument.

The MIN function is useful for: determining the lowest cost of an item; the lowest quantity; lowest percentage or dollar amount.

1. Using the MIN function, get the lowest total number of anime.

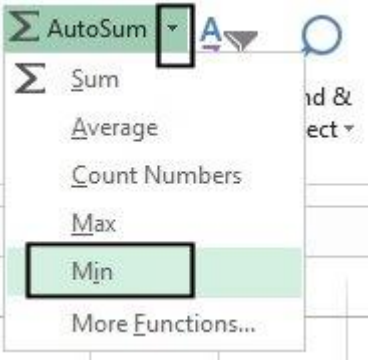
Excel interface showing the 'Summary of My Survey' data. The formula bar displays `=MIN(B19:G19)`. The data table is as follows:

STUDENTS	GHOST WARRIOR	DRAGON X	DUNK THE BALL	VOLTS	BOX OUT	HUNTER
A	1	1	1	1	1	1
B	1		1	1	1	1
C	1		1	1	1	1
D	1	1	1	1	1	1
E	1	1	1	1	1	1
F		1	1	1	1	
G	1		1	1	1	1
H		1	1	1	1	1
I	1	1		1	1	
J		1	1	1	1	1
K	1	1	1	1		1
L	1		1		1	
M	1	1		1	1	1
O	1	1	1	1	1	1
TOTAL	11	10	12	13	13	11

Excel interface showing the 'Summary of My Survey' data. The formula bar is empty. The data table is as follows:

STUDENTS	GHOST WARRIOR	DRAGON X	DUNK THE BALL	VOLTS	BOX OUT	HUNTER
A	1	1	1	1	1	1
B	1		1	1	1	1
C	1		1	1	1	1
D	1	1	1	1	1	1
E	1	1	1	1	1	1
F		1	1	1	1	
G	1		1	1	1	1
H		1	1	1	1	1
I	1	1		1	1	
J		1	1	1	1	1
K	1	1	1	1		1
L	1		1		1	
M	1	1		1	1	1
O	1	1	1	1	1	1
TOTAL	11	10	12	13	13	11

3. You can use the MIN function found in Formula Tab.



Sort Data in an Excel Worksheet

When sorting information in a worksheet, you can rearrange the data to find values quickly. You can sort a range or table of data on one or more columns of data. For example, you can sort students—first by section, and then by last name.

How to sort in Excel?

1. Select the data to sort

FileHomeInsertPage LayoutFormulasDataReviewViewHelpTell me what you want to do

CutCopyPasteFormat PainterClipboard

Times New Roma12A⁺A⁻B**I**UFont

Wrap TextMerge & CenterAlignment

GeneralNumber

A7

X✓fx

LEARNER'S NAME

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
4		REGION	III																
5		SCHOOL NAME	GENERAL LUNA NATIONAL HIGH SCHOOL					SCHOOL YEAR	2019-2020										
6		SECOND QUARTER	GRADE AND SECTION: GRADE 7- ROSE					TEACHER: MARIE E. FONTANILLA											
7		LEARNER'S NAME	MAPEH																
8			FILIPINO	ENGLISH	MATH	SCIENCE	AP	ESP	T.L.E	MUSIC	ARTS	P.E.	HEALTH	FINAL	TOTAL	FINAL GRADE			
9	1	ABOY,RAYSALYN, JAGON	80	77	79	81	84	78	84	72	72	72	72	72	635	79			
10	2	BANIQUED,DESIREE, ALMAZAN	87	82	81	84	86	79	84	80	80	80	80	80	663	83			
11	3	CALIZ,MARNELLA, VALDEZ	80	83	77	87	81	82	80	81	82	81	81	81	651	81			
12	4	CORPUZ,CATHERINE, SUMALBAG	88	87	82	86	90	82	89	82	84	84	84	84	688	86			
13	5	DELA CRUZ,ANALYN, CASTILLO	87	80	84	84	80	85	87	83	76	78	83	80	667	83			
14	6	FERNANDEZ, PRINCESS MARVI	88	87	80	86	85	83	88	87	80	82	87	84	681	85			
15	7	HELLIO,ARHIANE JOY, MENDOZA	88	82	86	84	86	85	85	81	80	80	81	81	677	85			
16	8	LAGASCA,JOSEPHINE, NADAL	88	86	85	87	85	88	86	86	81	81	86	84	689	86			
17	9	MAULINO,KWIN CLAIRE, COLLADO	90	87	85	86	82	89	87	84	80	80	84	82	688	86			
18	10	PUNO,RICA JOYS, GRANDE	88	85	79	82	85	86	87	87	82	82	87	85	677	85			
19	11	TEJERAS,KC, BAUTISTA	84	80	82	77	72	80	78	79	79	80	79	79	632	79			
20	12	VILLADOS,JAMILLA FAITH, GARCIA	88	92	85	85	89	85	88	85	80	80	85	83	695	87			
21	13	VILLORIA,LOREIA, MANUNDO	79	78	86	76	78	83	78	79	78	78	78	78	636	80			

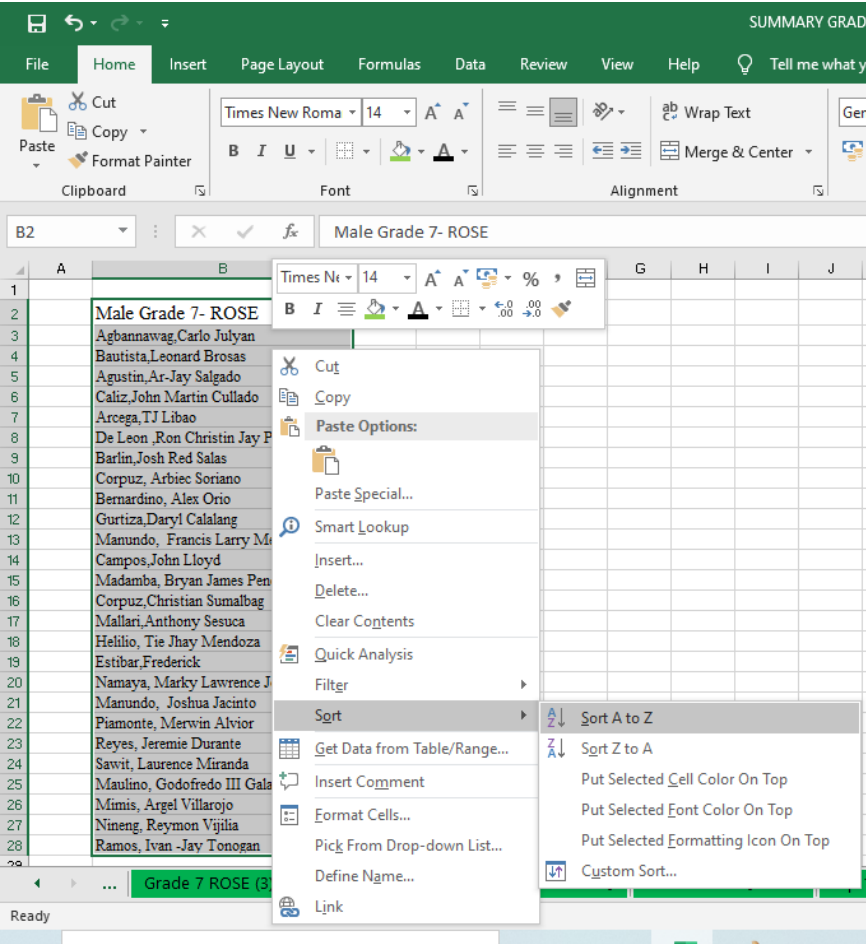
2. Sort by specifying criteria

Use this technique to choose the column you want to sort, together with other criteria such as font or cell colors.

1.
- Select a single cell anywhere in the range that you want to sort. Select the column B.

<div> <div> </div> <div> <div>File</div> <div>Home</div> <div>Insert</div> <div>Page Layout</div> <div>Formulas</div> <div>Data</div> </div> </div>					
<div> <div> <div> <div>Aa</div> <div>Themes</div> </div> <div> <div>Colors</div> <div>Fonts</div> <div>Effects</div> </div> </div> <div>Themes</div> </div>		<div> <div> <div> <div> <div></div> <div>Margins</div> </div> <div> <div> <div></div> <div>Orientation</div> </div> <div> <div> <div></div> <div>Size</div> </div> <div> <div> <div></div> <div>Print Area</div> </div> <div> <div> <div></div> <div>Breaks</div> </div> <div> <div></div> <div>Background</div> </div> </div> <div>Page Setup</div> </div> </div> </div></div></div></div>			
<div> <div>B2</div> <div>✕</div> <div>✓</div> <div><i>f_x</i></div> </div>		Male Grade 7- ROSE			
	A	B	C	D	E
1					
2		Male Grade 7- ROSE			
3		Agbannawag, Carlo Julyan			
4		Agustin, Ar-Jay Salgado			
5		Arcega, TJ Libao			
6		Barlin, Josh Red Salas			
7		Bautista, Leonard Brosas			
8		Bernardino, Alex Orio			
9		Caliz, John Martin Cullado			
10		Campos, John Lloyd			
11		Corpuz, Arbiec Soriano			
12		Corpuz, Christian Sumalbag			
13		De Leon, Ron Christin Jay Paralyag			
14		Estibar, Frederick			
15		Gurtiza, Daryl Calalang			
16		Helilio, Tie Jhay Mendoza			
17		Madamba, Bryan James Peneyra			
18		Mallari, Anthony Sesuca			
19		Manundo, Francis Larry Meries			
20		Manundo, Joshua Jacinto			
21		Maulino, Godofredo III Galang			
22		Mimis, Argel Villarojo			
23		Namaya, Marky Lawrence Jovillionar			
24		Nineng, Reymon Vijilia			
25		Piamonte, Merwin Alvior			
26		Ramos, Ivan -Jay Tonogan			
27		Reyes, Jeremie Durante			
28		Sawit, Laurence Miranda			

2. On the **Home** tab, in the **Sort & Filter** group, click **Sort** to display the Sort popup window or you can right click the mouse and it will display the menu click sort and click Sort A to Z.



In the **Order** list, choose the order that you want to apply to the sort operation—alphabetically or numerically, ascending or descending (that is, from A to Z (or Z to A) for text, or lower to higher, or higher to lower for numbers).

We can use the data sorting in finding your top 10 in your class.

1. Select the column you want to sort.

File						Home		Insert		Page Layout		Formulas		Data		Review		View		Help	
Themes		Colors		Fonts		Effects		Margins		Orientation		Size		Print Area		Breaks		Background		Print Titles	
Themes												Page Setup									
R11																					
A		B		C		D		E		F		G		H		I		J		K	
9				SECOND QUARTER																	
10				GRADE 7-ROSE TOP 10																	
11				RANK		NAME				AVERAGE											
12				1		SANTOS,NIKKO RAVEN, MIGUEL				88.219											
13				2		MAULINO,KWIN CLAIRE, COLLADO				86.000											
14				3		BALMAYO,LANCE COLINE, -				83.438											
15				4		VILLADOS,JAMILLA FAITH, GARCIA				86.813											
16				5		LAGASCA,JOSEPHINE, NADAL				86.063											
17				6		HELILIO,ARHIANE JOY, MENDOZA				84.563											
18				7		DELA CRUZ,ANALYN, CASTILLO				83.375											
19				8		FERNANDEZ, PRINCESS MARVI				85.125											
20				9		PUNO,RICA JOYS, GRANDE				84.563											
21				10		CORPUZ,CATHERINE, SUMALBAG				85.938											

2. Right click your mouse and click Sort. Click Sort Largest to Smallest.

FileHomeInsertPage LayoutFormulasDataReviewViewHelpTell me what you want to do

ThemesColorsFontsEffects

MarginsOrientationSizePrint AreaBreaksBackgroundPrint Titles

Page Setup

Width: AutomaticHeight: AutomaticScale: 80%

GridlinesViewPrint

HeadingsViewPrint

Bring ForwardSend Backward

Scale to FitSheet Options

R11AVERAGE

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE
9			SECOND QUARTER																												
10			GRADE 7-ROSE TOP 10																												
11			RANK	NAME																								AVERAGE			
12			1	SANTOS,NIKKO RAVEN, MIGUEL																								88.219			
13			2	MAULINO,KWIN CLAIRE, COLLADO																								86.000			
14			3	BALMAYO,LANCE COLINE, -																								83.438			
15			4	VILLADOS,JAMILLA FAITH, GARCIA																								86.813			
16			5	LAGASCA,JOSEPHINE, NADAL																								86.063			
17			6	HELILIO,ARHIANE JOY, MENDOZA																								84.563			
18			7	DELA CRUZ,ANALYN, CASTILLO																								83.375			
19			8	FERNANDEZ, PRINCESS MARVI																								85.125			
20			9	PUNO,RICA JOYS, GRANDE																								84.563			
21			10	CORPUZ,CATHERINE, SUMALBAG																								85.938			
22																															

Times New Roman 18

CutCopyPaste OptionsPaste Special...Smart LookupInsert...Delete...Clear ContentsQuick AnalysisFilterSortGet Data from Table/Range...Insert CommentFormat Cells...Pick From Drop-down List...Define Name...Link

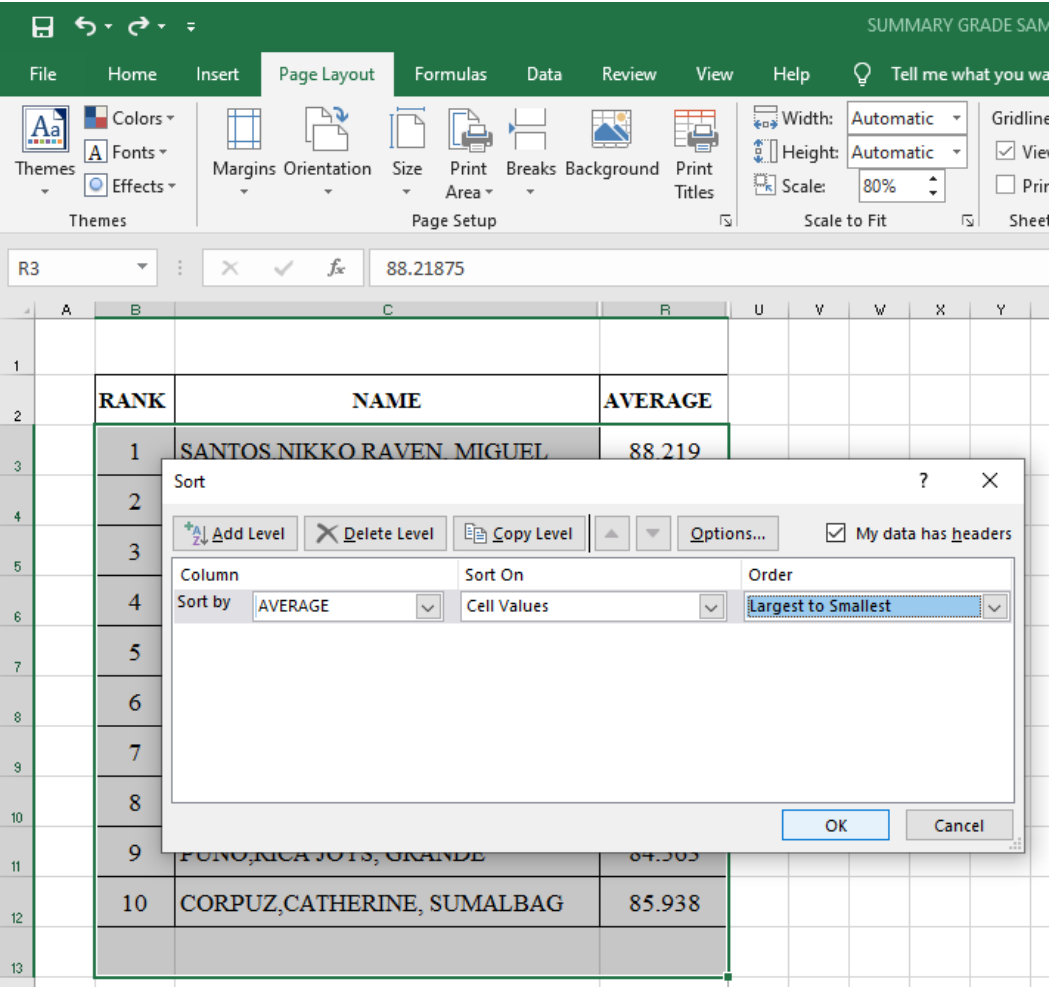
Sort Smallest to LargestSort Largest to SmallestPut Selected Cell Color On TopPut Selected Font Color On TopPut Selected Formatting Icon On TopCustom Sort...

Grade 7 ROSE (3)top 10Sheet1SUMMARY 2ND

Ready

Average: 85.409375Count: 1

3. Click Custom Sort to set what column to sort. Choose the COLUMN R with the title “**AVERAGE** “. Set the **SORT ON** menu with “**CELL VALUES**” and set the ORDER in to “**LARGEST TO SMALLEST**” then click “**OK**”



FILTERING DATA

The **Excel FILTER** function "filters" a range of data based on supplied criteria. The result Filters can be applied in different ways to improve the performance of your worksheet. You can filter text, dates, and numbers. You can even use more than one filter to further narrow your results. When data is filtered, only rows that meet the filter criteria will display and other rows will be hidden. With filtered data, you can then copy, format, print, etc., your data, without having to sort or move it first. To use a filter,

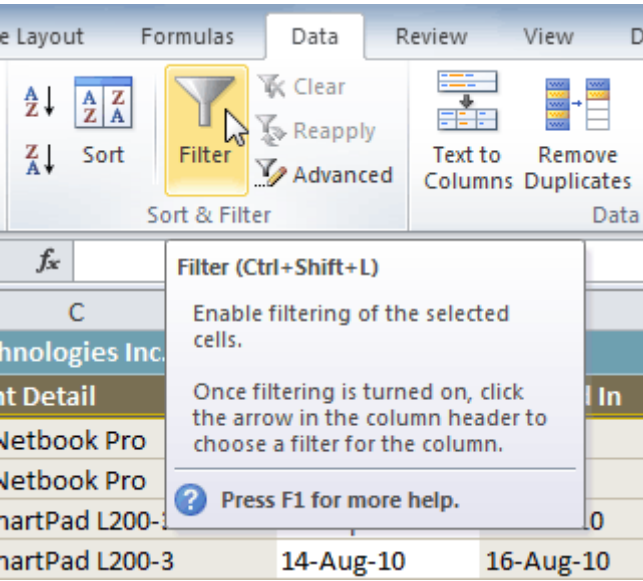
To filter data:

In this example, we'll filter the contents of an equipment log at a technology company. We'll display only the laptops and projectors that are available for checkout.

1. Begin with a worksheet that identifies each column using a header row.

	A	B	C	D
1	Equipment Log — Ragnar Technologies Inc.			
2	ID #	Type	Equipment Detail	Checked Out
3	1011	Laptop	10" Saris Netbook Pro	04-Oct-10
4	1012	Laptop	10" Saris Netbook Pro	29-Sep-10
5	1021	Laptop	15" EDI SmartPad L200-3	15-Sep-10
6	1022	Laptop	15" EDI SmartPad L200-3	14-Aug-10
7	1023	Laptop	15" EDI SmartPad L200-3	08-Aug-10
8	1025	Laptop	15" EDI SmartPad L200-4X	26-Sep-10
9	1031	Laptop	17" Saris X-10 Laptop	04-Oct-10
10	1032	Laptop	17" Saris X-10 Laptop	19-Sep-10
11	1033	Laptop	17" Saris X-10 Laptop	24-Sep-10
12	1034	Laptop	17" Saris X-10 Laptop	25-Aug-10
13	2050	Other	EDI SmartBoard L500-1	05-Oct-10
14	2051	Other	EDI SmartBoard L500-1	01-Oct-10
15	3000	Other	Saris Lumina Digital Camera	12-May-10

2. Select the **Data** tab, then locate the **Sort & Filter** group.
3. Click the **Filter** command.



4. Drop-down arrows will appear in the header of each column.
5. Click the **drop-down arrow** for the column you want to filter. In this example, we'll filter the Type column to view only certain types of equipment.

	A	B	C	D
1	Equipment Log — Ragnar Technologies Inc.			
2	ID #	Type	Equipment Detail	Checked Out
3	1011	Laptop	10" Saris Netbook Pro	04-Oct-10
4	1012	Laptop	10" Saris Netbook Pro	29-Sep-10
5	1021	Laptop	15" EDI SmartPad L200-3	15-Sep-10
6	1022	Laptop	15" EDI SmartPad L200-3	14-Aug-10
7	1023	Laptop	15" EDI SmartPad L200-3	08-Aug-10

6. The **Filter** menu appears.

7. **Uncheck** the boxes next to the data you don't want to view, or uncheck the box next to **Select All** to quickly uncheck all.
8. **Check** the boxes next to the data you do want to view. In this example, we'll check Laptop and Projector to view only these types of equipment.

	A	B	C	D
1	Equipment Log — Ragnar Technologies Inc.			
2	ID #	Type	Equipment Detail	Checked Out
	<div><div><div>Sort A to Z</div><div>Sort Z to A</div><div>Sort by Color</div><div>Clear Filter From "Type"</div><div>Filter by Color</div><div>Text Filters</div><div>Search</div><div><div><div><div><div></div></div><div>(Select All)</div></div><div><div><div><div></div></div><div>Laptop</div></div><div><div><div></div></div><div>Other</div></div><div><div><div></div></div><div>Projector</div></div><div><div><div></div></div><div>TV</div></div></div></div></div><div><div>OK</div><div>Cancel</div></div></div></div>			
			ro	04-Oct-10
			ro	29-Sep-10
			00-3	15-Sep-10
			00-3	14-Aug-10
			00-3	08-Aug-10
			00-4X	26-Sep-10
			o	04-Oct-10
			o	19-Sep-10
			o	24-Sep-10
			o	25-Aug-10
			0-1	05-Oct-10
			0-1	01-Oct-10
			Camera	12-May-10
			tal Camera	27-Jul-10
			Camcorder	06-Oct-10
			Printer II	04-Aug-10
			ker	13-Jun-10
			Travel Bag	27-Jul-10
			top Case	04-Oct-10
22	4905	Other	7N Heavy Rolling Laptop Case	04-Oct-10
23	5020	TV	32" Paragon 440 Plasma TV	11-Aug-10

9. Click **OK**. All other data will be filtered, or temporarily hidden. Only laptops and projectors will be visible.

	A	B	C	D
1	Equipment Log — Ragnar Technologies Inc.			
2	ID #	Type	Equipment Detail	Checked Out
3	1011	Laptop	10" Saris Netbook Pro	04-Oct-10
4	1012	Laptop	10" Saris Netbook Pro	29-Sep-10
5	1021	Laptop	15" EDI SmartPad L200-3	15-Sep-10
6	1022	Laptop	15" EDI SmartPad L200-3	14-Aug-10
7	1023	Laptop	15" EDI SmartPad L200-3	08-Aug-10
8	1025	Laptop	15" EDI SmartPad L200-4X	26-Sep-10
9	1031	Laptop	17" Saris X-10 Laptop	04-Oct-10
10	1032	Laptop	17" Saris X-10 Laptop	19-Sep-10
11	1033	Laptop	17" Saris X-10 Laptop	24-Sep-10
12	1034	Laptop	17" Saris X-10 Laptop	25-Aug-10
26	6100	Projector	Omega VisX 1.0	28-Sep-10
27	6101	Projector	Omega VisX 1.0	26-Sep-10
28	6102	Projector	Omega VisX 1.0	22-Aug-10

Filtering options can also be found on the Home tab, condensed into the **Sort & Filter** command.

ACTIVITY 1

1. Find the final grade of Trisha Mae F. Estabillo in all learning areas using the average function.

Book1 - Excel							
File Home Insert Page Layout Formulas Data Review View Help Tell me what you want to do							
Clipboard Font Alignment Number							
K9							
	A	B	C	D	E	F	G
2		Name : TRISHA MAE F. ESTABILLO 2- LOVE					
3		Learning Areas	Quarter 1	Quarter 2	Quarter 3	Quarter 4	FINAL GRADE
4		Filipino	87	89	90	90	
5		English	87	89	87	86	
6		Mathematics	86	85	90	91	
7		Science	88	87	89	90	
8		Araling Panlipunan	87	87	84	89	
9		Edukasyon sa Pagpapakatao	88	89	86	85	
10		Technology and Livelihood Education	90	91	92	95	
11		Mapeh	90	90	91	93	
12							
13							

ACTIVITY 2

Find the total amount of payment of Edgar Manoloto in Paras Printing Press using the SUM function.

File Home Insert Page Layout Formulas Data Review View				
Clipboard Font Alignment				
F4				
	A	B	C	D
3		PARAS PRINTING PRESS		
4		Name of the customer: EDGAR MANOLOTO		
5		Item	Quantity	Price
6		HBW	1 BOX	205.00
7		PILOT PEN	12 PCS	150.00
8		CRAYONS	8 PCS	240.00
9		OSLO	50 PCS	100.00
10		SCISSOR	10 PCS	200.00
11		GLUE	5 PCS	150.00
12		PENCIL	2 BOXES	350.00
13		TOTAL		
14				