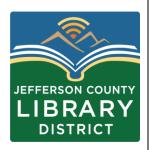
Introduction to Microsoft Excel

Formulas

Presenter: Jamie Pena



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• 10/16, 6:00 – 7:30 pm (registration required)

Huntingford Humanities Lecture: When Your Grandpa Is a Bot AI, Death, and Digital Doppelgangers

After his father passed away, Muhammad Aurangzeb Ahmad brought him back—dgitally. In this talk, Ahmad uses his experience to explore how artificial intelligence will transform our society, culture, and relationships.

He is a research scientist at the University of Washington's Harborview Medical Center and an affiliate assistant professor in the Department of Computer Science at the University of Washington, Bothell.

Upcoming Events

• 10/23, 2:30 – 3:30 pm

Citizen Science: Migratory Shorebird Count at Irondale Beach County Park

Help scientists count local migratory shore birds on our coasts! Join volunteers of the Admiralty Audubon Society and fellow Citizen Scientists to count migratory shorebirds this fall.

Phone apps eBird and Merlin are required. Please plan to arrive at Irondale Beach County Park by 2:00 pm if you need assistance downloading the eBird and Merlin apps.

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- Please note that in these classes we will be learning how to use Microsoft Excel 2019.
- If you are using another version, features may appear differently.

Warm Up

	Α	В	С	D
1	Item	Price	Quantity	# Sold
2	Folder	3	12	9
3	Pens	1.5	30	25
4	Markers	3	15	12
5	Notebook	4.5	10	8
6	Calculator	10	10	4

- 1) How many folders are unsold? What math formula $\operatorname{did} \operatorname{you} \operatorname{use} ?$
- 2) How much money did the school store make from calculator sales? What math formula did you use?
- 3) Which item made the most money?

Learning Objectives

- Write equations including addition, subtraction, multiplication, and division into the formula bar.
- Use Fill to calculate a lot of numbers quickly.
- Use AutoSum to add up numbers.

2

Vocabulary

- AutoSum to find the total for a given range of cells.
- \bullet Equation a mathematical expression.
- \bullet Fill a function that allows a user to copy data to multiple cells .
- Formula how an equation is expressed in Excel.
- Formula bar where formulas can be entered and edited.

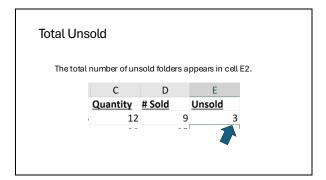
 $\bullet\,$ Enter the data from Handout A .

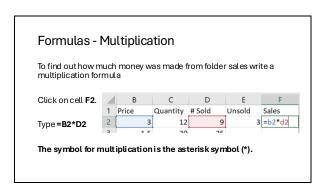
	A	В	С	D
1	Item	Price	Quantity	# Sold
2	Folder	3	12	9
3	Pens	1.5	30	25
4	Markers	3	15	12
5	Notebook	4.5	10	8
6	Calculator	10	10	4

Enter Unsold and Sales headings

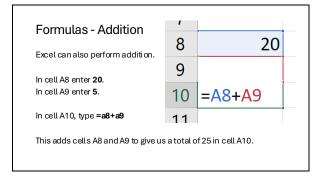
4	Α	В	С	D	E	F
1	<u>Item</u>	<u>Price</u>	Quantity	# Sold	Unsold	Sales
2	Folder	3	12	9		
3	Pens	1.5	30	25		
4	Markers	3	15	12		
5	Notebook	4.5	10	8		
6	Calculator	10	10	4		
7						

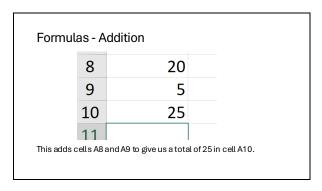
Click on cell E2. Quantity #Sold Unsold 3 12 9 = C2-D2 Type = C2-D2 5 30 25
3 12 9 = C2-D2
Type = C2-D2 5 30 25
7 20 20





We now have the total amount made from folder sales in cerember of the folder sales in cerembe						nade	uch was i	How mu
Price Quantity # Sold Unsold Sales	in cel	es in o	er sa	om fold	nade	ımount n	ave the total a	We now ha
Price Quantity # Sold Unsold Sales								
Price Quantity # Sold Unsold Sales								
	F	F		Ε		D	С	В
3 12 9 3	<u>s</u> `	ales	9	<u>nsold</u>		# Sold	Quantity	Price Price
	2		3		9		12	3
4 5 20 25					25		20	4 -





Formulas - Division To perform division: In cell A11, type =a8/a9 Formulas - Division 8 20 9 5 10 11 =A8/A9 12

9 5
10 25
11 4

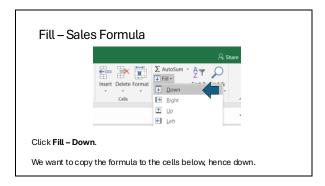
This divides cells A8 and A9 to give us a total of 4 in cell A11.

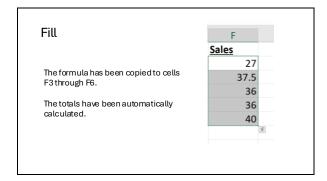
Fill is a function that lets you copy data, and formulas, to multiple cells at once.

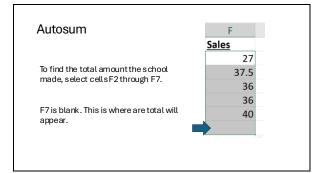
Fill can be found on the Ribbon under Home Tab.

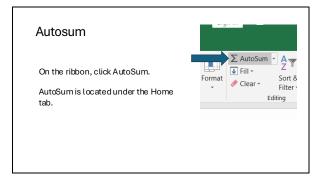
It is located by the AutoSum function.

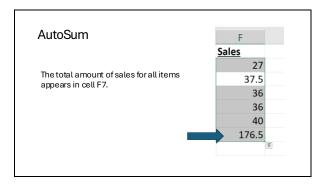
Fill – Sales Formula					
The Galost official	E		F		
To copy the sales formula	<u>Unsold</u>		<u>Sales</u>		
from cell F2:		3		27	
Highlight cells F2 through F6.					•











Practice

	A	В	C	D
1	Item	Price	Quantity	# Sold
2	Folder	3	1	2 9
3	Pens	1.5	3	0 25
4	Markers	3	1	5 12
5	Notebook	4.5	1	0 8
6	Calculator	10	1	0 4

Question	Formula
How many folders are unsold?	=C2-D2
How much money was made selling folders?	=B2*D2
How much money was made selling markers?	
How many pens are unsold?	
How many calculators are unsold?	
How much money was made selling notebooks?	

Practice

1. Open Excel and type the following chart of restaurant sales:

	A	В	C	0
1	Item	# Sold	Price	Sales
2	Burgers	12	7	.5
3	Cookies	29	1	5
4	Tacos	19	3.	5
5	Egg rolls	26		3
6	Oranges	28		1

- 2. Multiply to find the total Sales for Burgers.
- 3. Use <u>Fill</u> to find the <u>Sales</u> for all items.
- 4. Which item made the most money?
- 5. Use <u>AutoSum</u> to find the total sales.

Next Class



• Time: 2:00 – 3:30 pm

This lesson will teach you how to use charts to display your spread sheet data. You will also practice modifying charts by changing their titles and size.

For assistance, please contact the Jefferson County Library at 360-385-6544 or information@jc.library.info to set up a One-on-One Tech Help appointment.

