Editorul de foi de calcul Microsoft EXCEL

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- 6: Lucrul cu celulele
- 7: Listarea documentelor

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Introducere in Excel

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Mediul Excel cuprinde:

Butonul Microsoft Office Bara de comenzi rapide (Quick Access Toolbar) The ribbon (meniul interactiv)



Moduri de vizualizare

- Normal
- Formatul unei pagini
- Document impartit pe pagini



Adaugarea de noi comenzi in meniul de acces rapid



Minimizarea ribbon-ului Pozitionarea butoanelor de acces rapid deasupra/dedesuptul ribbon-ului



Butonul Microsoft office

Modificarea optiunilor predefinite

Options		? 🔀
ular 🔓	Change the most popular options in Excel.	Â
fing	Top options for working with Excel	
inced omize Ins t Center ources	 Show Mini Toolbar on selection 3 Enable Live Preview 3 Show Developer tab in the Ribbon 3 Always use ClearType Golor scheme: Blue ScreenTip style: Show feature descriptions in ScreenTips Create lists for use in sorts and fill sequences: Edit Custom Lists 	- a
	When creating new workbooks	
	Use this font Font size: Default view for new sheets: Include this many sheets: 3	
	Personalize your copy of Microsoft Office	
	User name: Jane Doe Choose the languages you want to use with Microsoft Office: Language Settings	~
	ОК Сап	cel

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					Calendars	
15			Excel Options X Exit Excel		Expense reports Faxes Forms Inventories Invoices Wedding budget	
					Lists Memos Plant	
					Planners	
		11			Create	ancel



Introducerea de text in celule

La selectarea unei celule, adresa acesteia apare in cotul din stanga sus

La introducerea de text, acesta apare in bara de formule

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1	A Monthl	B Text Ap	pears in For	rmula Bar	E	F	







Editarea sau stergerea textului

Se selecteaza celula si se apasa Backspace Se apasa tasa Delete pentru a sterge tot continutul celulei Se da dublu click si se modifica textul Se da click si se editeza textul in bara de formule



EXEMPLU!

Salvarea documentelor Excel



Modificarea dimensiunilor la nivel de linie sau coloana







Coloana

Modificarea dimensiunilor la nivel de linie sau coloana



Linie

sau



Modificarea dimensiunilor la nivel de linie sau coloana



Exemplu in Excel!!!

Inserarea de linii, coloane sau celule







Exemplu in Excel!!!

Formatarea textului



Modul de reprezentare



Alegerea fontului, dimensiunii literelor

Modificarea culorii textului sau a fundalului celulei





Text

Fundal

Modificarea chenarului

e Insert	Pag	e Layout Formulas Data	R
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	⊞	<u>All Borders</u>	
	·	Outside Borders	
	- <u>-</u>	Thick Box Border	

Formatarea rapida a tipului de date din celula



Rolul principal al Excel-ului este manipularea datelor tabelare

Crearea de formule simple

	SUM 👻	(• × 🗸	<i>f</i> _x =C3+C4	1
	А	В	С	D
1				
2				
3	Primary Job		\$1,500.00	\$1,799.00
4	Part-time Job		\$200.00	\$250.00
5	Total Income		=C3+C4	\$2,049.00
6				

!!!Orice formula incepe prin
introducerea semnului "="

	SUM -	(• × 🔨	<i>f</i> _x =C5-C2	29
	А	BEnte	r C	D
24	Credit	_		
25	Visa	8/5/2008	\$75.00	\$0.00
26	Mastercard	8/5/2008	\$37.42	\$23.51
27	Discover	8/5/2008	\$30.52	\$30.00
28	Store Credit Card	8/5/2008	\$87.56	\$66.79
29	<u>Total</u>		\$1,397.09	
30	Remaining		=C5-C29	
31				



Exemplu in Excel!!!

Adunarea Scaderea Inmultirea Impartirea

!!! Nu uitati de semnul "="

Copierea si mutarea datelor in celule

<u> </u>	Home	Insert	Page L	ayo	out	For	mulas Dat
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	C9	-	(f_{x}	Yes	
	,	A	В			С	D
6		Selec	ted Cell				
7	Bills		Date	\setminus	Paic	ł	January
8	Fixed Expe	enses		1			
9	Rent		8/1/200)8	Yes		\$350.00
10	Car Insura	nce	8/15/200	8			\$101.00
11	Car Payme	ent	8/22/200)8			\$125.00

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7	Bills Fixed Ex	penses	Date	Pa	cel	ls January
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7 8 9 10	Bills Fixed Ex Rent Car Insur	penses rance	Date 8/1/2 8/15/2	Ра 008 Үе 008 Үе	cel aid	S January \$350.00 \$101.00
7 8 9 10 11	Bills Fixed Ex Rent Car Insur Car Payn	penses rance nent	Date 8/1/2 8/15/2 8/22/2	Pa 008 Ye 008 Ye 008 Ye	cel	S January \$350.00 \$101.00 \$125.00
7 8 9 10 11 12	Bills Fixed Ex Rent Car Insur Car Payn Health Ir	penses rance nent nsurance	Date 8/1/2 8/15/2 8/22/2 8/28/2	008 Ye 008 Ye 008 Ye 008	cel nid	S January \$350.00 \$101.00 \$125.00 \$50.00
7 8 9 10 11 12 13	Bills Fixed Ex Rent Car Insur Car Payn Health Ir Cable	penses rance nent nsurance	Date 8/1/2 8/15/2 8/22/2 8/28/2 8/28/2	Pa 008 Ye 008 Ye 008 0 008 0	cel aid	S January \$350.00 \$101.00 \$125.00 \$50.00 \$35.00

Mutarea datelor in celule





!!!Atentie Functia PASTE muta tot continutul unei celule, text, formula, culoare, fundal

Copierea continutului prin Drag and Drop



Crearea de text nou cu ajutorul handle-ului de completare automata

Atentie!!! In functie de continut, acesta se copiaza sau se "adapteaza"



8/1/2008 Yes	\$57.22
8/2/2008 No	\$44.88
8/3/2008	\$30.50
8/14/2008	\$47.99
8/5/2008	No 125.00
8/6/2008	\$100.00



Exemplu in Excel!!!

Multiplicarea aceluiasi text Generarea de liste automate

Ce se intampla cu formulele???

Listarea in Excel



Modificarea documentului in print preview

	ļ	- (- (+	•	.	•
-				•	•	•
- -						
	1					
		Bills	Date	Paid	January	February
		Bills Fixed Expenses	Date	Paid	January	February
		Bills Fixed Expenses Rent	Date 8/1/2008	Paid	January \$350.00	February \$350.0
		Bills Fixed Expenses Rent Car Insurance	Date 8/1/2008 8/15/2008	Paid	January \$330.00 \$101.00	February \$3300 \$1010
		Bills Fixed Expenses Rent Car Insurance Car Payment	Date 8/1/2008 8/15/2008 8/22/2008	Paid	January \$350.00 \$101.00 \$125.00	February \$3500 \$1010 \$1250
		Bills Flued Expenses Rent Car Insurance Car Payment Health Insurance	Date 8/1/2008 8/15/2008 8/22/2008 8/22/2008	Paid	January \$350.00 \$101.00 \$125.00 \$30.00	February \$3300 \$1010 \$1250 \$30.0



Modificarea marginilor

Modificarea documentului in print preview



Definirea unei portiuni din document ca zona de listare



Inserarea de capete de tabel care sa apara pe fiecare pagina

Page Setup	? 🛛
Page Margins Header/Footer Sheet	
Print area: Print titles	
Columns to repeat at left:	

By inc the	By left-clicking row 7 to select it, you indicate that you want this row to appear at the top of each page.									
	A7 🔹 🌆 Primary Job									
4		Δ	R	C	D	F	F	G		
4		Page Setup -	Rows to re	peat at top	p:			? 🗙 👘		
5		\$7:\$7								
6										
÷	Bills		Date	Paid	January	February	March	April		
8	Fixed E	xpenses								
9	Rent		8/1/2008		\$350.00	\$350.00	\$350.00	\$350.00		
10	Car Insu	irance	8/15/2008		\$101.00	\$101.00	\$101.00	\$101.00		

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7	27	2013.11.01. 22:40:43.296	0.096428457	2.587671897		AAG 5.	ENIGE	400	447.	ENICE	000	445.
8	28	2013.11.01. 22:40:43.406	0.103393588	2.691065485	Page Setup	10462.75	100.000	-	1997	6	D	445.
9	29	2013.11.01. 22:40:43.515	0.117481691	2.808547176	Bage	Marging	Header (Eco	ter Sheet	1		0	<mark>445</mark> .
10	30	2013.11.01. 22:40:43.609	0.089552164	2.898099339	rage						0	445.
11	31	2013.11.01. 22:40:43.718	0.108416293	3.006515633	Print area	: A:S					0	445.
12	32	2013.11.01. 22:40:43.812	0.091031681	3.097547314	Print titles						0	445.
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15	35	2013.11.01. 22:40:44.125	0.115263253	3.415811786	Print						0	445.
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19	39	2013.11.01. 22:40:44.515	0.087999452	3.800563479	Row	and column h	readings				0	445.
20	40	2013.11.01. 22:40:44.625	0.115272472	3.915835951	Dogo ordo						0	445.
21	41	2013.11.01. 22:40:44.734	0.104569156	4.020405107	Page orde]			0	445.
22	42	2013.11.01. 22:40:44.828	0.097546476	4.117951583		n, men over					0	445.
23	43	2013.11.01. 22:40:44.937	0.107318109	4.225269692							0	445.
24	44	2013.11.01. 22:40:45.031	0.09473271	4.320002403							0	445.
25	45	2013.11.01. 22:40:45.140	0.11245256	4.432454963							0	445.
26	46	2013.11.01. 22:40:45.234	0.089749954	4.522204917					int Denvirus		0	445.
27	47	2013.11.01. 22:40:45.343	0.109319481	4.631524398			E	rint	Int Preview		0	445.
28	48	2013.11.01. 22:40:45.437	0.092883872	4.72440827					-		0	445.
29	49	2013.11.01. 22:40:45.625	0.190402132	4.914810402					OK	Ca		445.
30	50	2013.11.01. 22:40:45.640	0.019518123	4.934328525					-	- insta		445.
31	51	2013.11.01. 22:40:45.750	0.110289157	5.044617682	200	446.5	FALSE	400	447	FALSE	600	445.
32	52	2013.11.01. 22:40:45.843	0.088878056	5.133495738	200	446.5	FALSE	400	447	FALSE	600	445.
33	53	2013.11.01. 22:40:45.953	0.108391709	5.241887447	200	446. <mark>5</mark>	FALSE	400	447	FALSE	600	445.
34	54	2013.11.01. 22:40:46.046	0.094847809	5.336735255	200	446.5	FALSE	400	447	FALSE	600	445.
35	55	2013.11.01. 22:40:46.156	0.104455455	5.44119071	200	446.5	FALSE	400	447	FALSE	600	445.
36	56	2013.11.01. 22:40:46.250	0.0966824	5.53787 <mark>311</mark>	200	446.5	FALSE	400	447	FALSE	600	445.
37	57	2013.11.01. 22:40:46.359	0.110266249	5.648139358	200	446.5	FALSE	400	447	FALSE	600	445.
20	50	2012 11 04 22 40 40 452	0.0000.0000	F 744400007	000	4 40 E	F4LOF	400	4 47	ENOF	000	4.40



Exemplu in Excel!!!

Document exemplu1



- 8: Definirea unor formule compelxe
- 9: Lucrul cu functii simple
- 10: Sortarea, gruparea si aplicarea unor filtre pentru celule
- 11: Formatarea tabelelor
- 12: Alinierea textului
- 13: Lucrul cu mai multe foi de calcul intr-un document

Definirea unor formule complexe

Referinte absolute si relative

O formula se considera complexa daca contine mai mult de o operatie. Ordinea de efectuare a operatiilor <u>respecta regulile matematice</u>.



E.

Exemple de scriere a unor formule

		SUM	- (• × <)	🗧 =(G6+G7)					
	∠ C		D	E	F	G		Н	
5	\$	7.50	1	gallon	3				
6	\$	20.00	160	ct./case	1	\$	20.00	=(<mark>G6</mark> +G7)	
7	\$	20.00	144	ct./case	1	\$	20.00		
8	\$	16.00	2.5	gallon tub	2	\$	32.00		
9	\$	17.75	2.5	gallon tub	3	\$	53.25		

		SUM	- (• X 🗸 j	🔄 =(G6+G7)/(I	D6+D7)			
	∠ C		D	E	F		G	Н
5	\$	7.50	1	gallon	3	3		
6	\$	20.00	160	ct./case	1	\$	20.00	=(G6+G7)/(D6+D7)
7	\$	20.00	144	ct./case	1	\$	20.00	
8	\$	16.00	2.5	gallon tub	2	\$	32.00	
9	\$	17.75	2.5	gallon tub	3	\$	53.25	
10	\$	18.00	2.5	gallon tub	7	\$	126.00	

Verificarea formulelor

In general Excel-ul marcheaza formulele gresite din punct de vedere matematic, dar nu poate corecta erorile de calcul

					\frown
Formula	July	Aug	Sep	Oct	
view: CTRL+`	3863	1117	8237	8690	=G3-F3
\mathbf{A}	9355	1100	10185	18749	=G4-F4
ĴĹ	6702	2116	13452	8046	=G5-F5
Normal	4415	1089	4404	20114	=G6-F6
	11601	1122	3170	10733	=G7-F7
view: CTRL+	3726	1135	8817	18524	=G8-F8

Referinta absoluta se defineste cu semnul \$

- \$lit\$cifra referinta absoluta pe celula
- lit\$cifra referinta absoluta pe linie
- \$litcifra referinta absoluta pe coloana





Exemplu in Excel!!!

Functii de baza

Elementele care formeaza o functie: semnul "=", numele functiei, argumentul functiei

_=SL	M (A3:A9)
equal sign	L	
functio	in name a	argument

	=SU	м (A3:A9), B	3:B5)
equal sign	functio	on nan	ne	argi	ument

Functii statistice

- SUM
- AVERAGE
- COUNT
- MAX
- MIN

Functii financiare

- Rate ale dobanzii
- Imprumuturi
- Valori de depreciere
- HOUR
- MINUTE

DATE

TIME

DAYS360

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Functii legate de data si timp

- TODAY
- MONTH
- YEAR



9	ソ	Home	Insert	Page Lay	yout	Formulas	Data	Re	view	View
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e In	rart.	Σ <u>S</u> um		-		间 Math 8				
Fur	nction	Ave	rage	2 8	& Time	* 🎁 More F	unctions *		Manage	r 🗳
		<u>C</u> ou	Count Numbers		ibrary				Def	
	S	<u>M</u> ax	¢	3	f∗ =S	UM(G2:G41	L)			
		Min				E	F		G	
32	\$	Mor	re <u>F</u> unction	5	lb./	case	2	\$	100.50	i
33	\$	22.66			lb./	case	1	\$	22.66	1
34	\$	75.75			lb./	case	3	\$	227.25	
35	\$	32.00			lb./	case	2	\$	64.00	1
36	\$	32.00			lb./	case	2	\$	64.00	1
37	\$	1 <mark>8.</mark> 00			lb./	case	6	\$	108.00	1
38	\$	75.00			lb./	case	5	\$	375.00	1
39	\$	50.45			lb./	case	1	\$	50 <mark>.4</mark> 5	1
40	\$	38.00		12	20 ct./	case	2	\$	76.00	1
41	\$	<mark>40.</mark> 00		12	20 ct./	case	4	\$	160.00	
42								=SL	M(G2:G	41)
43										

nsert Function		
earch for a function:		
Type a brief descriptio Go	oh of what you want to do and then cli	
Or select a <u>c</u> ategory:	 Most Recently Used	~
select a functio <u>n</u> :		
SUM AVERAGE IF HYPERLINK COUNT MAX SIN SUM(number 1, num Adds all the numbers in	iber2,) n a range of cells.	
telp on this function	ОК	Cancel



Exemplu in Excel!!!

Functii de calcul

Sortare, Grupare, Filtrare

Sortare in ordine alfabetica





Exemplu in Excel!!!

Fisier: ex03_Inventory

-	Sort					? 🗙
	₽ _A j <u>A</u> dd	Level X <u>D</u> elete Level	Copy Level	Options		My data has <u>h</u> eaders
	Column		Sort On		Order	
	Sort by	~	Values	~	A to Z	~
		Category Item Unit Cost Unit Size Number Package Size Inventory Total Cost				
						OK Cancel

Gruparea celulelor utilizand comanda Subtotal

Meniu: Data - Outline

1	2	3		Α	В		с	D	E	F		G
			1	Category	Item	Unit C	ost	Unit Size Number	Package Size	Inventory	Tota	l Cost
[]]	Г	·	2	Bowl	Small Icecream	\$	20.00	160	ct./case	1	\$	20.00
		•	3	Bowl	Regular Icecream	\$	20.00	144	ct./case	1	\$	20.00
	Ξ		4	Bowl Total							\$	40.00
	Γ	·	5	Cone	Small Sugar	\$	13.55	200	ct./case	4	\$	54.20
		·	6	Cone	Large Sugar	\$	17.00	200	ct./case	4	\$	68.00
		·	7	Cone	Large Waffle	\$	43.55	193	ct./case	1	\$	43.55
		·	8	Cone	Small Waffle	\$	46.00	264	ct./case	2	\$	92.00
		·	9	Cone	Sm. Chocolate Waffle	\$	89.00	140	ct./case	2	\$	178.00
		•	10	Cone	Lg. Chocolate Waffle	\$	95.00	128	ct./case	3	s	285.00
	Ė		11	Cone Total							\$	720.75
	Γ	•	12	Cup	Small Shake	\$	38.00	120	ct./case	2	\$	76.00
		•	13	Cup	Regular Shake	\$	40.00	120	ct./case	4	\$	160.00
	Ē		14	Cup Total							\$	236.00
	Γ	•	15	Flavor	Bubblegum	\$	15.75	2.5	gallon tub	2	\$	31.50





Exemplu in Excel!!!

Fisier: ex03_Inventory

Filtrarea datelor

Excel-ul permite filtrarea datelor dintr-un tabel si ascunderea lor pentru a permite analiza unor portiuni cu un specific comun



1 2	3		А				В
		1	Categor		Item		-
Az↓	<u>S</u> or	t A to	Z	h	5		am
Z↓	S <u>o</u> r	t Z to	А				ream
	Sor	t by C	lolor			►	
$\overline{\mathbb{X}}$	<u>C</u> lea	ar Filt	er From "C	ateg	jory"		
	Filte	er by	Color			►	e
	Text	<u>F</u> ilte	rs			•	e
		. 🗸 (S	elect All)			^	ate Waffle
		Bo	owl				te Waffle
		BC	owi lotal one			_	
		C	one Total			Ξ	2
			up				ke
		I CI	up Iotal avor				
		F	avor Total				
		S)	/rup			~	
	<u> </u>		01/	h	Canad		or
			UK	ונ	Cancel		n
Π	·	20	Flavor	_	Strawb	erry	/

Se pot defini unul sau mai multe criterii de filtrare



Exemplu in Excel!!!

Fisier: ex03_Inventory

Formatarea datelor sub forma tabelara

Se alege o celula care contine date



Alinierea textului

In mod predefinit, Excel-ul va alinia automat informatia de tip **text la stanga**, si cea **numerica la dreapta**.

Pentru schimbarea alinierii se folosesc comenzile:



Pentru selectia unui rand sau a unei coloane intregi, se da click pe eticheta acestora.

	А	В	С	D
1				
2		Vertical Alignmer	nt Examples	
3	Vertical Alignment	Vertical Justify	Vertical Center	Vertical Bottom
4				
5				
6				

Vertical Alignment Commands								
= ;	= =	% /~	📑 Wrap Text					
	E = Merge & Center *							
	Alignment 🕞							

Daca textul iese din limitele celulei, se poate folosi comanda Wrap text



В	с	D	E	F	G	н
This is a m	nerged cell.	Scoops	Shop Inventory	,		
Category	Item	Unit Cost	Unit Size Number	Package Size	Inventory	Total Cost



Exemplu in Excel!!!

Fisier: ex03_Inventory

Manipularea foilor de calcul



46 Toppings Nuts 47 Toppings Oreo 48 Toppings Total Sheet1 Sheet2 Sheet3

Inserarea de foi de calcul aditionale

46		Toppings	Nuts	\$					
47		Toppings	Oreo	\$					
48		Toppings To	Toppings Total						
× 2	1 2008 Sheet2 Sheet3								
	Insert Worksheet (Shift+F11)								



Exemplu in Excel!!!

Fisier: ex07_Inventory_lesson13

Gruparea foilor de calcul pentru definirea unor elemente comune, o singura data

46		Toppings	Nuts					
47		Toppings	Oreo					
48		Toppings To	Toppings Total					
I January February March April 💱								
hš								

Se selecteaza cu **SHIFT** sau **CTRL** celulele. O data grupate ele vor aparea toate marcate cu culoarea alba, si orice modificare facuta pe una dintre ele va aprea pe toate



Exemplu in Excel!!! O formula care se va multiplica

"Inghetarea" (blocarea) unor linii sau coloane

	А	В	С		D				
1		lf you want t 2, se	o freeze rows 1 & lect row 3.		Scoops				
2		Category	Item		Unit Cost				
	3		1						
	S			crosoft E	xcel	able Tools			
3	<u>()</u>	Bowl	Small Icecream	View	Add-Ins	Design			
4	Ā	Bowl	Regular Icecream	Zoom	100% Zoom to Selection	New Window	Arrange P	Freeze	Split ↓ View Side by Side Hide ↓ Synchronous Scrolling Unhide ↓ Reset Window Position
					Zoom				Freeze Panes Keep rows and columns visible while the rest of the worksheet scrolls (based on current selection).
					E	F		****	Freeze Top Row
				ne She	n Invento	n/		لنتن	the rest of the worksheet.
				ps Sile	p invento	' Y			Freeze First <u>Column</u> Keep the first column visible while scrolling
				t Uni	it Size Numbe	Packag	ge Size		through the rest of the worksheet.

Comanda utila pentru tabelele care contin multe date si este

important sa se cunoasca continutul celulelor



Exemplu in Excel!!!

Fisier: ex07_Inventory_lesson13

- 14: Utilizarea template-urilor
- 15: Utilizarea analizelor what-if (Ce daca)
- 16: Realizarea diagramelor
- 17: Formatari conditionale
- 18: Crearea unor tabele pivotante

Folosirea unor formate predefinite (template-uri)



Descarcarea unor modele de pe internet



Analiza de tipul What-If? (Ce daca?)





Lucrul cu reprezentari grafice

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Paste	✓ Format Painter B I U ▼	🗄 • 🌺 • 🗛 • 🚍	■ ■ 律律 🔤	Merge & Center 👻 💲 👻
C	lipboard 🕞 For	nt 🕞	Alignment	Га
	A11 • (<i>f_x</i>			
	А	В	С	D
1	Salesperson	January	February	March
2	Doe, Jane	\$ 765.00	\$ 575.00	\$ 350.00
3	Haveria, Luiz	\$ 605.00	\$2,755.00	\$1,265.00
4	Hines, Zach	\$-	\$-	\$ 235.00
5	Read, Tira	\$2,750.00	\$ 550.00	\$ 425.00
6	Smith, Bob	\$ 925.00	\$3,330.00	\$1,850.00
7	Stuart, Jill	\$ 400.00	\$ 965.00	\$ 125.00
8	Tall, Liz	\$1,655.00	\$ 985.00	\$ 425.00
9	Temple, Cheryl	\$1,140.00	\$1,720.00	\$ 300.00
10				



Cat a vandut, pe luna, fiecare dintre vanzatori?

Raspuns



Exemplu in Excel!!!

Alte grafice pe baza acelorasi date

Cine a vandut mai mult? – Reprezentati grafic

Care este distributia procentuala vanzarilor intre agenti? – Reprezentati grafic



Exemplu in Excel!!!

Formatari conditionale

Salesperson	Region	Account	Order Amount					
Doe, Jane	East	78532	\$765.00					
Doe, Jane	East	78532	\$150.00					
Doe, Jane	East	65532	\$425.00					
Doe, Jane	East	78532	\$350.00					
Haveria, Luiz	South	55667	\$225.00					
Example: Order Amounts with ∀alues Greater Than \$300								



Sa vedem ce se intampla cu DATA Bars si Color Scales?



Exemplu in Excel!!!

Crearea unor tabele pivot

 Tabelele pivot permit pivotarea adica mutarea datelor pentru a oferi

 raspunsuri (solutii)



Exemplu in Excel!!! Fisier: ex07_companysales_les son16

	₹ Ca	ndle Comp	pany_final	- Microso	ft Excel		PivotTable To	ools	-		×
Home Insert	Page Layout	Formulas	Data	Review	View Add	d-Ins	Options	Design	🤨 –	٥	×
PivotTable Field *	2↓ 2ZA Z↓ Sort Sort	Refresh Ch	ange Data Source *	Clear Select Move	▼ t ▼ PivotTable tions		PivotChart Formulas * OLAP tools * Tools	Field I */- Bu Field I Show/	list Ittons Headers Hide		
A3 -	(fx										¥
A B	с	D	Ε	F	G	Pi	votTable Field	d List		¥	×
1 2 3 4 5 6 To build a report 7 fields from the P 8 9 10 11 12 =====	e1 t, choose ivotTable t	C D E P G Image: Constraint of the con					•				
13 14 15 16	12 13 14 15 16										
17 18 19 20							Defer Layout	L Update	Upc	late	
Ready	2008 Sales Déta	ied View		111			100%	Θ	0	•):

Crearea unor tabele pivot





Exemplu in Excel!!!

Exercitiu suplimentar

Calculati media ponderata a urmatoarelor valori

	- 💜 Forr	mat Painter	_	<u> </u>	-		-, -,		
	Clipboard 🕞		F	ont	Es.		Alignment		
	D17	- (*	f_{x}	=SUMPR	ODUCT(C5	:C15,D5:D15)/SUM(D5:D15)			
	А	В	С	D	E	F	G	Н	
1									
2									
3			Exemplu S	UMPRODU	СТ				
4			Nota	Ponderea					
5		Tema1	9	5					
6		Tema2	8	5					
7		Tema3	7	5					
8		Tema4	5	5					
9		Tema5	7	5					
10		Tema6	8	5					
11		Tema7	9	5					
12		Tema8	10	5					
13		Verif1	9	10					
14		Verif2	6	10					
15		Examen final	5	40					
16									
17		Nota finala		6.65					
18									

Se dă funcția:

 $f(x) = x^4 - 2 \cdot x^3 + 5 \cdot x^2 - 8 \cdot x + 3$

Să se determine valorile funcției f(t) = y

unde t se consideră a fi intervale de timp care variază între 0 la 10 secunde cu un pas de 0.5 secunde.

Să se reprezinte valoarea funcției e intervalul de timp calculat mai sus.

Programul trebuie să permită modificarea coeficienților polinomului.

Microsoft Excel - magazin_fructe												
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	l18 ▼ fx											
	А	B	С	D	E	F	G					
1												
2					Curs Eur-Ron	4.3						
3					Curs USD-Ron	2.8						
4												
5		Produse	Pret unitar RON	Volum Vanzari	Valoare RON	Valoare Euro	Valoare USD					
6		Mere	3.7	123	455.1							
7		Portocale	6	45	270							
8		Mandarine	5.2	66	343.2							
9		Banane	3.1	32	99.2							
10		Ananas	4	68	272							
11		Kiwi	4.3	87	374.1							
12		Mango	7.2	49	352.8							
13		Cirese	3.9	65	253.5							
14												

Să se calculeze volumul vânzărilor în Eur și USD fără a folosi o coloană cu cursul de schimb.

Cei mai buni prieteni









