

	A	B	C	D	E	F	G	H	I
1	Practice with IF and VLOOKUP Functions								
2	Add a custom footer to all 3 worksheets with your name, the class section and the Instructor's name								
3	Name	Size	Spools Yarn	Wool Allergies	Yarn type	Color			
4	Linda	10	2	Yes	Cotton	Red			
5	John	25	5	No	Wool	Black			
6	Terry	20	3	No	Wool	Tan			
7	Bill	30	5	Yes	Cotton	Black			
8	Samantha	15	3	No	Wool	Tan			
9									
10									
11	Size	Spools Yarn	Color						
12		10	2 Red						
13		15	3 Tan						
14		25	5 Black						
15									
16	Your grandmother wants to knit gloves for your friends. She will need to know a few things before she can begin.								
17	You decide to help her get the information she will need by creating an Excel spreadsheet.								
18	1. The number of yarn spools she will need depends on the glove size of the individual, use VLOOKUP to determine this for her.								
19	2. She can use any yarn type, as long as the individual is not allergic to wool. You realize the best way to determine this is with IF Function.								
20	If the Wool Allergies is "Yes", then the Yarn Type is "Cotton", otherwise it is "Wool".								
21	3. The color she will use will also depend upon size, since she has more of certain colors then she has others. Again, use VLOOKUP.								
22									
23									
24									
25	Item	Quantity	Unit Price	Order Date	Order Amount				
26	Crayons		2	\$6.75 Friday	7				
27	Pencils		7	\$12.50 do not order	3				
28	Paper		3	\$20.00 Friday	1				
29	Erasers		1	\$9.50 Friday	7				
30	Kleenex		5	\$11.00 do not order	3				
31									
32	Unit Price	Order Amount							
33		5	7						
34		10	3						
35		15	1						
36									
37	You have a friend that teaches grade school children and have agreed to create a spreadsheet to help her keep track of the supplies she needs.								
38	1. The date she orders depends on the quantity left of an item. If she has less than 5 of any item, she will order Friday of that week, otherwise she waits.								
39	2. Since she buys in bulk at the Costco, how much of an item she orders depends on the unit price, use VLOOKUP.								
40									
41									
42									
43	Budget Item	Budget Amt	Expenditures	Remaining Balance					
44	Salaries	\$351,553.00	\$554,633.00	Over budget					
45	Supplies	\$12,356.00	\$10,024.00	\$2,332.00					
46	Equipment	\$25,354.00	\$56,542.00	Over budget					
47	Travel	\$123,554.00	\$95,335.00	\$28,219.00					
48									
49									
50	Calculate Remaining Balance.								
51	If Expenditures is greater than Budget Amt, then return "over budget", otherwise subtract Expenditures from Budget Amt.								
52									
53									
54									
55	Season	Hours Daylight	Hours of Operation						
56	Winter		7	5					
57	Spring		12	9					
58	Summer		15	9					
59	Fall		11	7					
60									
61	Hours Daylight	Hours Operation							
62		5	5						
63		8	7						
64		12	9						
65									
66	Calculate Park Hours of Operation using VLOOKUP								
67									

	A	B	C	D	E	F	G	H	I	J	K	L
1	Practice with PMT and FV Functions											
2	Use =PMT				Use =FV							
3	Interest Rate	7.59%										
4	Years	10			Investment	\$ 3,000.00						
5	Loan Amount	\$13,000.00					Rate					
6	Monthly Payment	\$154.92					7.50%	10.00%	12.50%	15.00%	17.50%	
7					Years	10	\$42,441.26	\$47,812.27	\$53,935.70	\$60,911.15	\$68,849.90	
8						15	\$78,355.09	\$95,317.45	\$116,442.67	\$142,741.23	\$175,454.89	
9						20	\$129,914.04	\$171,825.00	\$229,082.25	\$307,330.75	\$414,217.81	
10	Rate	6.45%				25	\$203,933.58	\$295,041.18	\$432,062.44	\$638,379.05	\$948,974.47	
11	Years	15				30	\$310,198.21	\$493,482.07	\$797,839.32	\$1,304,235.44	\$2,146,667.55	
12	Loan Amount	\$ 52,100.00				35	\$462,754.82	\$813,073.11	\$1,456,981.14	\$2,643,510.47	\$4,829,137.53	
13	Monthly Payment	\$452.42										
14												
15												
16												
17	Calculate the Monthly Payment and Future value of the amounts given.				You want to determine the best investment strategy to use on a \$3,000 investment to get a return over \$100,000. The best way to determine this is to use an investment table. If you increment the years by 5 and the interest rate by .025, you can calculate investment for each combination and determine which strategy to use. You will need to use mixed and absolute cell references.							

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Practice with Statistical Functions												
2													
3		Jan	Feb	Mar	Apr	May	Jun	Jul	Total	Average	Max	Min	Count
4													
5	North	\$2,300.00	\$2,500.00	\$2,700.00	\$2,900.00	\$3,100.00	\$3,300.00	\$3,500.00	\$20,300.00	\$2,900.00	\$3,500.00	\$2,300.00	7
6	South	\$1,400.00	\$1,600.00	\$1,700.00	\$1,866.00	\$2,016.00	\$2,166.00	\$2,316.00	\$13,064.00	\$1,866.29	\$2,316.00	\$1,400.00	7
7	East	\$58,309.00	\$39,109.00	\$19,909.00	\$709.00	\$18,491.00	\$37,691.00	\$56,891.00	\$231,109.00	\$33,015.57	\$58,309.00	\$709.00	7
8	West	\$8,456.00	\$8,273.00	\$8,090.00	\$7,907.00	\$7,724.00	\$7,541.00	\$7,358.00	\$55,349.00	\$7,907.00	\$8,456.00	\$7,358.00	7
9													
10	Total	\$70,465.00	\$51,482.00	\$32,399.00	\$13,382.00	\$31,331.00	\$50,698.00	\$70,065.00					
11	Average	\$17,616.25	\$12,870.50	\$8,099.75	\$3,345.50	\$7,832.75	\$12,674.50	\$17,516.25					
12	Max	\$58,309.00	\$39,109.00	\$19,909.00	\$7,907.00	\$18,491.00	\$37,691.00	\$56,891.00					
13	Min	\$1,400.00	\$1,600.00	\$1,700.00	\$709.00	\$2,016.00	\$2,166.00	\$2,316.00					
14	Count	4	4	4	4	4	4	4					