

LESSON 19 VLOOKUP 3 DIFFERENT LEVELS & HLOOKUP



This lesson will prove to you and I both that you completely understand both vertical and horizontal lookup. You will discover four tabs listed at the bottom of the spreadsheet that accompanies this instruction and video. You have already performed this task so you may recall with the help of a video if it is essential for your help on this lesson.

City	Air Quality	Health Rating	AQI Scale	Category
Atlanta	125		1	Good
Miami	45		51	Moderate
Pittsburgh	175		101	Unhealthy
Nashville	75		201	Very Unhealthy
Baltimore	225		301	Hazardous

Instructions:
 9 The Air Quality Index (AQI) provides information about an area's pollution conditions.
 10 Above on the right is a table showing the AQI scale and health categories.
 11 The air quality for five major cities is shown above.
 12 Use the vlookup function to assign an AQI health rating category to cell C2.
 13 (Note: Do not include column headings in the table range.)
 14 Then do a fill down the vlookup function to cells C3:C6.
 15 After you complete this problem, printout a hard copy with your name on the top like you have done on previous spreadsheets
 16 click on Problem #2 sheet tab located below and work on that problem.
 17 You may look at your syllabus for the equation.

Solution:
 Health Rating
 Unhealthy
 Good
 Unhealthy
 Moderate
 Very Unhealthy

Rubric

Your answers should look like mine on the left

You will find four problems. Look at the tabs below. Each problem gets more advanced than the one before it. Follow the directions closely and then printout each spreadsheet if we have a printer at this time. Make sure you have Grid lines and rows and columns Your name and also the Problem letter (A) in the headings. Each spreadsheet should be printed out (So you will turn in (4) four) spreadsheets. =VLOOKUP(B2,\$E\$3:\$F\$7,2)

Wind	Category
0	TD
39	TS
74	1
96	2
111	3
131	4
155	5

#	Name	Cat	Date	Wind
4	Dennis		Jul 4-18	130
9	Irene		Aug 4-18	90
15	Ophelia		Sep 6-23	75
17	Rita		Sep 18-24	155
24	BETA		Oct 26-31	100

Instructions:
 12 In Cell F6 write a vlookup function to assign a storm category
 13 based on the Storm Scale table located in the upper left corner of the worksheet.
 14 Then copy the function to cells F7:F10.
 15 After you complete this problem, click on Problem #3 sheet tab.

Solution:
 Cat
 3
 1
 1
 5
 2

Your answers should look like mine on the left

You will notice that in this spreadsheet the table is located in the upper left corner. You will place the function "vlookup" in the yellow section of column F. There is a pattern from the previous two vlookup tables. This is not difficult you only need to vision in your mind where the table begins and ends. You will use the information located in column H to determine the different categories. Make sure you place grid lines and the Problem letter. Assignment 14 B =VLOOKUP(H6,\$?2:\$B\$?,2)

Junior	# of Cases	Bonus	Senior	# of Cases	Bonus
Madden	11		10	\$2,000	\$4,000
Barnes	22		11	\$2,500	\$5,000
Cleaver	19		12	\$3,000	\$6,000
			13	\$3,500	\$7,000
Senior			14	\$4,000	\$8,000
Emerson	25		15	\$4,500	\$9,000
Shaw	19		16	\$5,000	\$10,000
Hargrove	14		17	\$5,500	\$11,000
			18	\$6,000	\$12,000
			19	\$6,500	\$13,000
			20	\$7,000	\$14,000
			21	\$7,500	\$15,000
			22	\$8,000	\$16,000
			23	\$8,500	\$17,000
			24	\$9,000	\$18,000
			25	\$9,500	\$19,000
			26	\$10,000	\$20,000
			27	\$10,500	\$21,000
			28	\$11,000	\$22,000
			29	\$11,500	\$23,000

Directions:
 13 Use VLOOKUP to determine the bonus amounts for each part
 14 Create two separate formulas--one for Junior and one for Senior
 15 Create two separate formulas--one for Junior and one for Senior Partners

Solution:
 Your answers should look like mine below

Junior Partner Senior Partner
 \$2,500 \$19,000
 \$8,000 \$13,000
 \$6,500 \$8,000

Your answers should look like mine on the left

You are on the last Vlookup spreadsheet. This one is extremely simple. Follow the directions and you should not have any problems. Make sure you place grid lines and the use the Problem 14C This last spreadsheet is Problem 14C Printout all three and staple together and submit for a grade.

Junior Partner	Won	Bonus	Senior Partner	Partner	Partner
Madden	11		10	\$2,000	\$4,000
Barnes	22		11	\$2,500	\$5,000
Cleaver	19		12	\$3,000	\$6,000
			13	\$3,500	\$7,000
Senior Partner			14	\$4,000	\$8,000
Emerson	25		15	\$4,500	\$9,000
Shaw	19		16	\$5,000	\$10,000
Hargrove	14		17	\$5,500	\$11,000
			18	\$6,000	\$12,000
			19	\$6,500	\$13,000
			20	\$7,000	\$14,000
			21	\$7,500	\$15,000
			22	\$8,000	\$16,000
			23	\$8,500	\$17,000
			24	\$9,000	\$18,000
			25	\$9,500	\$19,000
			26	\$10,000	\$20,000
			27	\$10,500	\$21,000
			28	\$11,000	\$22,000
			29	\$11,500	\$23,000

Directions:
 13 Need the table range. Look Carefully it is like Problem C
 14 Remember the First set of numbers will illustrate the bonus
 15 Remember Junior Partner is in the second Row Senior in the third row
 16 Create two separate formulas--one for Junior and one for Senior Partner

Solution:
 Your answers should look like mine below

Junior Partner Senior Partner
 \$2,500 \$19,000
 \$8,000 \$13,000
 \$6,500 \$8,000

You need to create a Hlookup table. We have placed a table below for you DO NOT USE THE ONE TO THE LEFT! Remember the basics and you should not have any problem with this table lookup equation. You will need to Place \$ before and after the cell letter and number. Absolute is the term. 1) All answers again will be in C2- C4 and C8- C10 Don't forget why you have a 2 at the end of the equation or why you have a 3.