Succeeding in Business with Microsoft Excel 2013 A Problem Solving Approach 1st Edition Gross Test Bank

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Chapter 2: Solving Problems with Statistical Analysis Tools

TRUE/FALSE

1.			• 1		inctions, including statistical functions, that you can n, median, mode, and standard deviation of a set of		
	ANS: T	PTS: 1	l	REF:	79		
2.	The median is the ar	ithmetic a	verage of a set	t of nu	mbers.		
	ANS: F	PTS: 1	[REF:	80		
3.	The standard deviation	on tells yo	ou how closely	togeth	ner values are distributed.		
	ANS: T	PTS: 1	l	REF:	82		
4.	The ROUND argument <i>num_digits</i> is a single value that can be a constant, a cell reference where the cell contains a numerical value, or another formula that results in a single number value.						
	ANS: F	PTS: 1	l	REF:	85		
5.	The formula =ROUN	NDUP(3.4	32,1) rounds t	he valı	ue 3.432 up to the next highest tenth, or 3.5.		
	ANS: T	PTS: 1	l	REF:	86		
6.	The Format Painter can be used to copy a format into multiple noncontiguous cells.						
	ANS: T	PTS: 1	l	REF:	88		
7.	•				option permanently changes the values in all gits, to whatever format is displayed in that cell.		
	ANS: F	PTS: 1	I	REF:	88		
8.	If you select the Past any formatting from				you will paste only the values; the formulas and ted.		
	ANS: T	PTS: 1	I	REF:	90		
9.	The Paste Special di- three arithmetic oper	-	_	_	ons, which allow you to paste values using only ltiply.		
	ANS: F	PTS: 1	I	REF:	92		
10.	The statistical function	on MODE	E returns the m	ost fre	quently occurring value in a range of data.		
	ANS: T	PTS: 1	l	REF:	93		
11.	The technique used to panes.	o fix certa	ain rows while	you so	eroll to other rows in a worksheet is called freezing		

	ANS: T	PTS:	1	REF:	95	
12.	A way to analyze the in one data set compa					ok at the percent difference of a value
	ANS: T	PTS:	1	REF:	99	
13.	The syntax of the RA	NK.EQ	function is as	follows	s: RANK(numb	per,sort,order).
	ANS: F	PTS:	1	REF:	105 106	
14.	With the LARGE fur	nction, t	he argument ca	alled <i>an</i>	alysis describe	s the range of cells being evaluated.
	ANS: F	PTS:	1	REF:	107	
15.	The SMALL function	n deterr	nines the <i>n</i> th si	mallest	value in a rang	e.
	ANS: T	PTS:	1	REF:	109	
16.	The COUNTONLY	function	n counts the nu	mber of	items in a rang	ge that meet specified criteria.
	ANS: F	PTS:	1	REF:	111	
17.	The values TRUE an	d FALS	SE are referred	to as B	oolean values.	
	ANS: T	PTS:	1	REF:	112	
18.	Relational operators	are used	d to compare da	ata.		
	ANS: T	PTS:	1	REF:	113	
19.	Result Seek uses an igoal, in the depender		approach to fi	nding tl	ne right input th	hat achieves the desired result, or
	ANS: F	PTS:	1	REF:	134	
20.	Simulation is an anal	ytical n	nethod that crea	ates arti	ficially generat	ted data to imitate real data.
	ANS: T	PTS:	1	REF:	139	
MOD	IFIED TRUE/FALS	E				
1.	· · · · · · · · · · · · · · · · · · ·					data set when organized from lowest are greater than the median value.
	ANS: T			PTS:	1	REF: 80
2.	The Paste option call formatting.				nection to the o	original cells, including the applied
	ANS: F					

	Paste Link Paste link paste link
	PTS: 1 REF: 91
3.	In the function RANK.EQ(number,ref,order), the <u>number</u> argument refers to the value to be ranked.
	ANS: T PTS: 1 REF: 105
4.	The <u>BIG</u> function determines the <i>n</i> th largest value in a range.
	ANS: F, LARGE
	PTS: 1 REF: 107
5.	To obtain the value for the lowest or highest Friction Coefficient values, the MIN and MAX function would suffice.
	ANS: T PTS: 1 REF: 107
6.	The <u>critical argument</u> is essentially a test that the data must meet in order for it to be counted in the grouping.
	ANS: F, criteria argument
	PTS: 1 REF: 111
7.	To determine if a value is greater than or equal to another value, you can use <u>syntax</u> operators.
	ANS: F, relational
	PTS: 1 REF: 113
8.	<u>Wingdings</u> are symbols that you can use as part of the criteria to search for text strings; each symbol can be substituted for a character or set of characters.
	ANS: F, Wildcards
	PTS: 1 REF: 113
9.	The COUNTIF function accommodates a(n) <u>single</u> contiguous range argument.
	ANS: T PTS: 1 REF: 116
10.	In the SUMIF function, the <i>criteria</i> argument identifies the cell range where the criteria are located.
	ANS: F, range
	PTS: 1 REF: 118

11.	The <u>A</u>	<u>.DDIF</u> functio	n adds al	l the values in —	n a range	that m	eet specified c	riteria.	
	ANS:	F, SUMIF							
	PTS:	1	REF:	118					
12.			_		•		he Number gr isplay of cell v	oup Dialog Box Launcher ovalues.	n
	ANS:	T			PTS:	1	REF	: 125	
13.		uses the <u>Goal</u> ve your desired						culate the required input to	
	ANS:	F, Goal Seek							
	PTS:	1	REF:	131					
14.	The R	ANDOM fund	ction ran	domly assign	s a numb	er betw	een two speci	fied values.	
	ANS:	F, RANDBE	TWEEN						
	PTS:	1	REF:	140					
15.							he F9 function	n key or by selecting the on the ribbon.	
	ANS:	F, Calculate	Now						
	PTS:	1	REF:	142					
MUL	TIPLE	СНОІСЕ							
1.	structu a. fu	soft Excel alloure and analyz nctions				,		RANK.EQ, that help you	Ю.
	ANS:		PTS:	1	REF:	_			
2.	The _	is the aritl	nmetic av	verage of a se	t of num				
	a. mo	ean edian			c. d.	mode standa	ard deviation		
	ANS:	A	PTS:	1	REF:	80			
3.		st, where half				f the va	lues are great	when organized from lowes er than the median value.	t to

	b. median			d.	standard deviation
	ANS: B	PTS:	1	REF:	80
4.	The is the arith a. mean b. median	metic v	alue that occurs		requently in a data set. mode standard deviation
	ANS: C	PTS:	1	REF:	80
5.	The is a measu a. mean b. median	re of ho	w widely the d	c.	nes are dispersed from the arithmetic mean. mode standard deviation
	ANS: D	PTS:	1	REF:	80
6.	Consider the following a. 1 b. 3.94	ng five	values: 1, 1, 6,	c.	10. The arithmetic mean of these values is 5 6
	ANS: C	PTS:	1	REF:	80
7.	A(n) distribution the arithmetic mean.	on exhit	oits an equal nu	mber of	f occurrences of data values both below and above
	a. normalb. skewed				simulated angular
	ANS: A	PTS:	1	REF:	80
8.	The of a norma a. mean, median, a b. mean and media c. mean, median, n d. median and mod	nd moden node, an	e		ue.
	ANS: A	PTS:	1	REF:	80
9.	from half the range a a. AVERAGE				es of less than half the range, and rounds up value DOWN
	b. NORMAL			d.	ROUND
	ANS: D	PTS:	1	REF:	86
10.	The ROUND argume a. decimal places b. digits	ent <i>num</i>	_digits is the sp	c.	number of integers operators
	ANS: A	PTS:	1	REF:	85
11.	If you wrote the form a. 26%	nula =R	OUNDDOWN		%,2), the resulting value would be 25.8%
	b. 25%				25.83%
	ANS: B	PTS:	1	REF:	87
12.	If you wrote the form	nula =O	DD(1.23), the	resultin	g value would be

	a. 1 b. 2			c. d.		
	ANS: C	PTS:	1	REF:	87	
13.	If you wrote the for a4 b4.3	mula =T	RUNC(-4	c.	resulting value would be4.38 -4.382	
	ANS: B	PTS:	1	REF:		
14.	Use to copy a a. the Format Pair b. the Format Cop	iter	rom one c	c.	r cell or group of contiguous cells. Paint Special Format	
	ANS: A	PTS:	1	REF:	88	
15.		n full pro	ecision (_	digits) to c.	option permanently changes the values in all whatever format is displayed in that cell, including 15 21	
	ANS: C	PTS:	1	REF:		
16.				ton in the Cli c.	select the information you want to copy, and then pboard group on the tab. INSERT DATA	
	ANS: B	PTS:	1	REF:	90	
17.	The Paste option ca a. Picture b. As Picture	lled	_ pastes th	c.	f the copied cells(s) as a picture. Paste Picture Paste Graphic	
	ANS: A	PTS:	1	REF:	91	
18.						
	ANS: A	PTS:	1	REF:	90	
19.	The Paste option by cell(s), but not the fa. Keep Source Fob. No Borders	ormat of	the cell b	orders.	the formulas and formatting from the original Document Theme Destination Formatting	
	ANS: B	PTS:	1	REF:	90	
20.	The Paste option by maintains the colum a. Column Stay		_		a and formulas from the original cell(s), and Keep Source Column Widths	

	b. Width Only		d.	Keep Column Size
	ANS: C	PTS: 1	REF:	90
21.	that contains one or the range into which	more blank cells where	_	n, which enables you to copy and paste a cell range ank cells are not pasted over any existing values in
	a. Copy Blanksb. Blank Over		c. d.	Comments Skip Blanks
	ANS: D	PTS: 1	REF:	92
22.	The MODE.SNGL, type of argument, w		S func	ctions work in a similar way, containing only one
	a. sort orderb. a list of values			a range of values for comparison ranking parameters
	ANS: B	PTS: 1	REF:	93
23.	A list of values can do a. constants and ce b. a range of cells a			a two-dimensional block of cells all of the above
	ANS: D	PTS: 1	REF:	93
24.	With a function arguments.	n, you include that fund	ction ins	side another formula or function as one of its
	a. nestedb. parent		c. d.	child linked
	ANS: A	PTS: 1	REF:	94
25.	The technique used panes.	to fix certain rows whil	le you s	croll to other rows in a worksheet is called
	a. freezingb. sticking			keeping locking
	ANS: A	PTS: 1	REF:	95
26.	2 •		he verti c.	the screen at the same time is to the window by cal split box to create separate, scrollable panes. crack separate
	ANS: A	PTS: 1	REF:	96 97
27.	To calculate a(n) divide the difference		ets, you	subtract the old value from the new value and then
	a. average differenb. standard deviation	ce		percent difference none of the above
	ANS: C	PTS: 1	REF:	99
28.		•	and the	n count the number of entries either above or below
	the value in question a. RANK.EQ	1.	c.	FIND

	b. POSITION			d.	COUNT
	ANS: A	PTS:	1	REF:	105
29.	In the LARGE function a. the largest value b. the smallest value		second argume	c.	the desired ranking, where 1 is required not allowed
	ANS: A	PTS:	1	REF:	107
30.	In the SMALL functa. a formula b. the desired ranki		first argument	c.	is a range of cells a time period
	ANS: C	PTS:	1	REF:	109
31.	The syntax of the CC a. =COUNTIF(rang b. =COUNTIF(ref,	ge,array		c.	=COUNTIF(array,k) =COUNTIF(range,criteria)
	ANS: D	PTS:	1	REF:	111
32.	The values TRUE an a. operational impeb. Boolean values			c.	base values syntax neutral
	ANS: B	PTS:	1	REF:	112
33.	The symbols > and > a. relational operate b. relational values	ors	-	c. d.	arrays reference operators
	ANS: A	P15:	1	REF:	113
34.	are symbols that can be substituted for a. Wingdings b. Wildwheels			set of ch	iteria to search for text strings in which the symbol naracters. Open Text symbols Wildcards
	ANS: D	PTS:	1	REF:	113
35.	The wildcard span a. asterisk (*) b. question mark (?)		that any numb	er of ch c. d.	aracters can be substituted. forward slash (/) backward slash (\)
	ANS: A	PTS:	1	REF:	113
36.	The wildcard span asterisk (*) b. question mark (?)		that a single c	c.	can be substituted. forward slash (/) backward slash (\)
	ANS: B	PTS:	1	REF:	113 114
37.	Wildcards work with a. numbers b. dates	·•		c. d.	text all of the above

	ANS: C	PTS:	1	REF:	114
38.	With the COUNTIF to follows is	function	n, the first time	it encou	unters the comma delimiter, it assumes that what
	a. a dateb. a number			c. d.	additional ranges the criteria
	ANS: D	PTS:	1	REF:	116
39.	The Format Cells dia HOME tab, provides a. Cells b. Data	log box many o	, which can be options for char	nging th c.	from the group Dialog Box Launcher on the e display of cell values. Number Data
	ANS: C	PTS:	1	REF:	125
40.	A format code can in	clude u	p to four parts,	each se	parated by a semicolon, and does NOT include
	a. negative numberb. positive number				zero value format placeholder format
	ANS: D	PTS:	1	REF:	127
41.	•	s as a d	igit placeholder		splays significant digits.
	a. # b. 0			c. d.	? %
	ANS: A	PTS:	1	REF:	128
42.	•	s as a d	igit placeholder		splays both significant and insignificant zeros.
	a. # b. 0			c. d.	? %
	ANS: B	PTS:	1	REF:	128
43.	The symbol act place so that decimal			r that do	pes not display insignificant digits, but does hold a
	a. # b. 0			c. d.	? %
	ANS: C	PTS:	1	REF:	
44.	_	erts a p	ercentage sign	and auto	omatically multiplies the value inserted by 100 for
	display. a. #			c.	?
	b. 0			d.	%
	ANS: D	PTS:	1	REF:	128
45.	•	nsert(s)) a comma as a		nds separator or as a scaling operator.
	a. , b. *			c. d.	@
	ANS: A	PTS:	1	REF:	128

46.	The symbol(s) its complete width.	indicate	e(s) repetition of	of the fo	llowing character enough times to fill the column to	
	a. ,			c.	4699	
	b. *			d.	@	
	ANS: B	PTS:	1	REF:	128	
47.	The symbol(s) shown.	specify	specifies that t	ext encl	losed in between these marks should be inserted as	
	a. ,			c.	6699	
	b. *			d.	@	
	ANS: C	PTS:	1	REF:	128	
48.	The symbol(s) custom format.	indicate	e(s) the location	n where	text should be inserted in cells formatted with a	
	a. ,			c.	(6)	
	b. *			d.	@	
	ANS: D	PTS:	1	REF:	128	
49.	The symbol in sure positive numbe a (underscore) b (dash)			numbers c.	e next character. It's frequently used with () to make s displayed with (). @ +	
	ANS: A	PTS:	1	REF:	128	
50.	values and to evalua			ılts.	rmine the outcome of changing one or more input	
	a. maybeb. what-if				research	
	ANS: B	PTS:	1			
51.						
	ANS: B	PTS:	1	REF:	131	
52.	labeled a. By changing cel		, the cell contain	c.	e data to vary in order to reach the desired output is What if	
	b. What to change			d.	Vary	
	ANS: A	PTS:	1	REF:	132	
53.	In the Goal Seek dia a. in which the out b. that contains the	put valu	e will appear	c.	ox to specify the cell with the output label none of the above	
	ANS: A	PTS.	1	REF:	132	

54.	The Step button in Ca. allows you to st b. returns the data c. walks you throud. none of the above	ep through in separage states the separage states the separage states are states the separage states are states as the separage states are states are states are states as the separage states are sta	gh each iteratio ate spreadsheet	S	
	ANS: A	PTS:	1	REF:	134
55.	worksheet with the a. OK			oal Seek c.	New
	b. Update	D			Cancel
	ANS: A	PTS:	1	REF:	132
56.	In Goal Seek, if the a. Goal Seek dialo b. value of zero is c. closest value for d. none of the above	g box as listed as und is lis	ks for your inp the current val	ut ue	·
	ANS: C	PTS:	1	REF:	132
57.	Goal Seek uses dependent cell. a. a database b. an iterative	_ approa	ch to finding th	c.	input that achieves the desired result, or goal, in the a scientific a random
	ANS: B	PTS:	1	REF:	134
58.	Goal Seek continues a. 0.001 of the goal b. 100 iterations		values until it	c.	either a or b neither a nor b
	ANS: C	PTS:	1	REF:	134
59.	The function pa. COUNTIF b. SUMIF	orovided	by Excel avera	c.	eries of values if they meet specific criteria. AVERAGE none of the above
	ANS: D	PTS:	1	REF:	136
60.	Goal Seek allows you a. a single b. up to 3	ou to var	y input(s)	c.	up to 5 up to 10
	ANS: A	PTS:	1	REF:	134
61.	The input for Goal S a. a constant value b. derived from a f	;	be	c. d.	either a or b neither a nor b
	ANS: A	PTS:	1	REF:	135
62	The syntax of the A	VERAG	EIF function	is v	ery similar to the syntax of the SUMIF function.

	a. (range,criteria,ab. (criteria,averag			(ref,range,criteria) (array,average_range,ref)
	ANS: A	PTS: 1	REF:	136
63.	is an analytica a. Simulation b. Play acting	al method that crea	c.	y generated data to imitate real data. Role playing Regression
	ANS: A	PTS: 1	REF:	139
64.			of dice, is often	specific values that have an equal chance of n referred to as a simulation. Lucky 7 Monte Carlo
	ANS: D	PTS: 1	REF:	139
65.	a. RANGERANDb. RANDBETWE	OOM EEN	c. d.	ween two specified values. INBETWEEN RANDOM
	ANS: B	PTS: 1	REF:	140
66.	The function a. RANDUNDER b. RAND		c.	0 and 1. RANDZERO RANDONE
	ANS: B	PTS: 1	REF:	140
67.	The formula =RAN a. integer with the b. 1, 2, or 3 ANS: B		c. d.	number with three decimal places none of the above
	ANS. D	F15. 1	KLI'.	140
68.	Automatic calculate FILE tab. a. Excel Options b. Worksheet Opt		off from the ri c. d.	bbon or from the dialog box accessed via the Automatic Options Ribbon Options
	ANS: A	PTS: 1	REF:	142
69.	When working with in a cell anywhere a. automatically cb. prompt you with	on the worksheet, hange	the random va	prompt you with an error message
	ANS: A	PTS: 1	REF:	141
70.	You can recalculate a. F5 b. F7	e a worksheet at ar	c.	essing the function key. F8 F9
	ANS: D	PTS: 1	REF:	142

Case-Based Critical Thinking Questions

71.

72.

73.

74.

75.

ANS: B

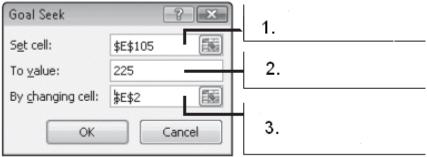
PTS: 1

Relational Operator	r			
>				
<	7			
>-	1			
<-	+			
-	+			
<>	+			
Lulia is learning how to	 o use relational opers	atore wit	th the COUNT	TF function. Her boss handed her the
chart in the above figu				
C				•
Julia wants to take a co data is listed in columr				g in more than one committee. The buld be
a. =COUNTIF(F3:F1		c.	=COUNTIF(F3:F13,">=1")
b. =COUNTIF(F3:F1	13,">1")	d.	=COUNTIF((F3:F13,"=1")
ANS: B	PTS: 1	REF:	112	TOP: Critical Thinking
Iulia wants to take a co	ount of all employees	s who at	e narticinatino	g in exactly one committee. The
correct formula would		y wiio ai	e participating	in exactly one committee. The
a. =COUNTIF(F3:F1				(F3:F13,">=1")
b. $=$ COUNTIF(F3:F1	13,">1")	d.	=COUNTIF((F3:F13,"=1")
ANS: D	PTS: 1	REF:	112	TOP: Critical Thinking
				OUNTIE to determine who is on or
After showing her boss	s the data, he asked l	ner to ru	n one more CC	JOINTH' to determine who is on or
or more committees. T	he correct formula w	vould be	;	
or more committees. T a. =COUNTIF(F3:F1	The correct formula was 13,"<1")	vould be c.	COUNTIF((F3:F13,">=1")
or more committees. T a. =COUNTIF(F3:F1 b. =COUNTIF(F3:F1	The correct formula w 13,"<1") 13,">1")	vould be c.	;	(F3:F13,">=1") (F3:F13,"=1")
or more committees. T a. =COUNTIF(F3:F1 b. =COUNTIF(F3:F1	The correct formula was 13,"<1")	vould be c.	=COUNTIF(=COUNTIF((F3:F13,">=1")
or more committees. T a. =COUNTIF(F3:F1 b. =COUNTIF(F3:F1 ANS: C On a separate project, 1 100% attendance. In the	The correct formula with 13,"<1") 13,">1") PTS: 1 the head of Human Formula with the database, the number 13."	vould be c. d. REF: Resource ber 1 me	=COUNTIF(=COUNTIF(112 es is looking for eans 100% atte	F3:F13,">=1") F3:F13,"=1") TOP: Critical Thinking or a list of people who do <i>not</i> have endance; all other numbers indicate
or more committees. T a. =COUNTIF(F3:F1 b. =COUNTIF(F3:F1 ANS: C On a separate project, 100% attendance. In the	The correct formula with 13, "<1") 13, ">1") PTS: 1 the head of Human Fine database, the numbers of the first of the first of the sample, ."	vould be c. d. REF: Resource ber 1 me 75 is 75	=COUNTIF(=COUNTIF(112 es is looking for eans 100% atte % attendance)	F3:F13,">=1") F3:F13,"=1") TOP: Critical Thinking or a list of people who do <i>not</i> have
or more committees. T a. =COUNTIF(F3:F1 b. =COUNTIF(F3:F1 ANS: C On a separate project, 100% attendance. In the that some work was m worksheet. The correct	The correct formula with 13,"<1") 13,">1") PTS: 1 the head of Human Fine database, the number issed (for example, it COUNTIF formula	vould be c. d. REF: Resource ber 1 me 75 is 75 would	=COUNTIF(=COUNTIF(112 es is looking for eans 100% attendance) be	F3:F13,">=1") F3:F13,"=1") TOP: Critical Thinking or a list of people who do <i>not</i> have endance; all other numbers indicate. The data is listed in column E of a
or more committees. T a. =COUNTIF(F3:F1 b. =COUNTIF(F3:F1 ANS: C On a separate project, 100% attendance. In the	The correct formula with 13, "<1") 13, ">1") PTS: 1 the head of Human Fine database, the number issed (for example, and the COUNTIF formula 13, "<>1")	vould be c. d. REF: Resource ber 1 me 75 is 75 would be c.	=COUNTIF(=COUNTIF(112 es is looking for eans 100% attendance) be	F3:F13,">=1") F3:F13,"=1") TOP: Critical Thinking or a list of people who do <i>not</i> have endance; all other numbers indicate. The data is listed in column E of a (E3:E13,">=1")
or more committees. T a. =COUNTIF(F3:F1 b. =COUNTIF(F3:F1 ANS: C On a separate project, 100% attendance. In the some work was more worksheet. The correct a. =COUNTIF(E3:E3:E3:E3:E3:E3:E3:E3:E3:E3:E3:E3:E3:E	The correct formula with 13, "<1") 13, ">1") PTS: 1 the head of Human Fine database, the number issed (for example, and the COUNTIF formula 13, "<>1")	vould be c. d. REF: Resource ber 1 me 75 is 75 would be c.	es is looking for eans 100% attendance) be =COUNTIF(F3:F13,">=1") F3:F13,"=1") TOP: Critical Thinking or a list of people who do <i>not</i> have endance; all other numbers indicate. The data is listed in column E of a (E3:E13,">=1")
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REF: 112

TOP: Critical Thinking

Case-Based Critical Thinking Questions Case 2-2



	OK	Cano	el 3	•			
	Nevia is using Goal Goal Seek dialog bo				etermining wh	at to pu	it in each text box inside the
76.	If you were to help in a. indicates the cell b. indicates the desc. indicates the cell d. none of the above	l containing ired output l containing	the output valuvalue	ue	•		the above figure
	ANS: A	PTS: 1	RI	EF:	132	TOP:	Critical Thinking
77.	Nevia has told you that a. #1 b. #2	hat the desir	red value is 325	c.			I she insert the desired value?
	ANS: B	PTS: 1	RI	EF:	132	TOP:	Critical Thinking
78.	to be the dependent of a. #1 b. #2	data, and sh		wers c.	·		e above figure is considered
	ANS: C	PTS: 1	RI	EF:	132	TOP:	Critical Thinking
79.		rs. To open		first c.			ing a demo of Goal Seek to a tab on the ribbon.
	ANS: D	PTS: 1	RI	EF:	132	TOP:	Critical Thinking
80.	Once Nevia clicks the group, then selects Ca. What-If Analysi b. Simulation	Goal Seek.	b, to open Goa	c.	k, she clicks th Goal Minder Data Dialog	ne	button in the Data Tools
	ANS: A	PTS: 1	RI	EF:	132	TOP:	Critical Thinking

COMPLETION

1.		is a measure of how widely the data values are dispers	ed from the arithmetic
	mean.		
	ANS: Standard de	ation	
	PTS: 1	REF: 80	
2.	To specify that a v	e should be precisely stored to the nearest hundredth, use t function.	he
	ANS: ROUND Round round		
	PTS: 1	REF: 84 85	
3.	The formula =3.5.	(3.432,1) rounds the value 3.432 up to the	e next highest tenth, or
	ANS: ROUNDUP Roundup roundup		
	PTS: 1	REF: 86	
4.		Paste option button pastes the formulas and format of the cell borders.	tting from the original
	ANS: No Borders		
	PTS: 1	REF: 90	
5.	Thecell(s).	Paste option button pastes only the formulas from	the original (copied)
	ANS: Formulas		
	PTS: 1	REF: 90	
6.	Theand formatting.	Paste option button pastes values from	n the original cell(s)
	ANS: Values & Source I Values and Source values & source for values and source	ormatting atting	
	PTS: 1	REF: 90	
7.	Theapplied formatting	Paste option button pastes a connection to the orig	inal cell, including the

	ANS: Paste Link paste link
	PTS: 1 REF: 91
8.	The MODE.SNGL, MEDIAN, and STDEV.S functions work in a similar way, containing only one type of, which is a list of values.
	ANS: argument
	PTS: 1 REF: 93
9.	When you a function, you include that function inside another formula or function as one of its arguments.
	ANS: nest
	PTS: 1 REF: 94
10.	Excel provides several tools for displaying and scrolling columns and/or rows so that certain areas can be fixed, or, and the remainder of the worksheet can be scrolled easily.
	ANS: frozen
	PTS: 1 REF: 95
11.	To split an Excel window vertically, click the after clicking to the right and below the location where you want to divide the window.
	ANS: split button
	PTS: 1 REF: 96
12.	To split the screen both vertically and horizontally so there are five rows at the top and three columns on the left, place the cursor in the column displayed on the screen in the sixth row of the worksheet.
	ANS: fourth 4th
	PTS: 1 REF: 96
13.	To calculate a(n) between two data sets, you subtract the old value from the new value and then divide the difference by the old value.
	ANS: percent difference
	PTS: 1 REF: 99
14.	In the function RANK.EQ(number,ref,[order]), the argument is the range of values the number is being compared with.

	ANS: REF Ref ref			
	PTS:	1	REF:	105
15.	The			_ function counts the number of items in a range that meet specified
	ANS:	COUNTIF		
	PTS:	1	REF:	111
16.	Wilde	ards do not wo	rk with	values that are numbers or dates, only
	ANS:	text		
	PTS:	1	REF:	114
17.	The re	lational operat	or >= st	ands for than or equal to.
	ANS:	greater		
	PTS:	1	REF:	113
18.		the # symbol a		placeholder for a digit, it is considered to be a(n) le.
	ANS:	number forma	atting	
	PTS:	1	REF:	128
19.				odes can be applied to a cell: one for positive numbers, one for negative s, and one for
	ANS:	text		
	PTS:	1	REF:	127
20.	Perfor change	ming a(n) ing one or more	e input v	analysis means, simply, to determine the outcome of values and to evaluate the recalculated results.
	ANS: what-i			
	PTS:	1	REF:	131

MATCHING

Wildcard	Formula	
*	-COUNTIF(H2:H13,"*3")	1.
*	-COUNTIF(H2:H13,"*1*")	2.
ę.	-COUNTIF(H3:H13,"\$313")	3.
ŝ	-COUNTIF(H3:H13,"*399")	4.

Using the above figure, identify the letter of the choice that best matches the figure.

- a. Counts all Inspector IDs that contain the text value "1" anywhere in the value (A313, C321, B313, and so on)
- b. Counts all Inspector IDs that end with the text value "3"
- c. Counts all Inspector IDs that have the value "3" in the third-to-last position in the text value, regardless of the number of preceding characters
- d. Counts all Inspector IDs with a single character followed by the characters "313"; notice that cell H7 is not counted because it contains two characters preceding the characters "313"
- 1. #1
- 2. #2
- 3. #3
- 4. #4

1.	ANS:	В	PTS:	1	REF:	114
2.	ANS:	A	PTS:	1	REF:	114
3.	ANS:	D	PTS:	1	REF:	114
4.	ANS:	C	PTS:	1	REF:	114

Identify the letter of the choice that best matches the function.

- a. =ROUND(25.449,0)
- b. =ROUND(SUM(10.33,10.44),0)
- c. =ROUND(25.33%,2)
- d. =INT(-4.3)
- e. =ROUND(103234,-2)
- f. =ROUND(23.75%,2)
- g. =ROUNDDOWN(9.99,0)
- h. =EVEN(2.23)
- 5. 24%
- 6. 21
- 7. 25%
- 8. -5
- 9. 25
- 10. 9
- 11. 4

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12. 103,200

5.	ANS:	F	PTS:	1	REF:	86 87
6.	ANS:	В	PTS:	1	REF:	86 87
7.	ANS:	C	PTS:	1	REF:	86 87
8.	ANS:	D	PTS:	1	REF:	86 87
9.	ANS:	A	PTS:	1	REF:	86 87
10.	ANS:	G	PTS:	1	REF:	86 87
11.	ANS:	H	PTS:	1	REF:	86 87
12.	ANS:	E	PTS:	1	REF:	86 87

ESSAY

1. List and explain briefly mean, median, mode, and standard deviation.

ANS:

- Mean is the arithmetic average of a set of numbers.
- Median is the arithmetic value that occurs in the middle of a data set when organized from lowest to highest, where half the values are less than and half the values are greater than the median value.
- Mode is the arithmetic value that occurs most frequently in a data set.
- Standard deviation is a measure of how widely the data values are dispersed from the arithmetic mean.

PTS: 1 REF: 80 TOP: Critical Thinking

2. Describe what the arguments are for this function: =SUMIF(range,criteria,sum_range).

ANS:

- The *range* argument identifies the cell range where the criteria are located.
- The criteria argument specifies which values should be selected.
- The *sum_range* argument identifies the corresponding cell range to sum if the specified criteria have been met in the range established by the range argument. If the *sum_range* argument is omitted, the function adds the values in the range indicated by the first argument.

PTS: 1 REF: 118 TOP: Critical Thinking

3. Explain what the following four number formatting codes do when used in Excel: #, 0, ?, and %. Write one sentence about each symbol and give an example of how it can be used.

ANS:

The # symbol acts as a digit placeholder that displays significant digits (for example, ####.#).

The 0 symbol acts as a digit placeholder that displays both significant and insignificant zeros (for example, 0.00).

The ? symbol acts as a digit placeholder that does not display insignificant digits, but does hold a place so that decimal points will align (for example, 0.00?).

The % symbol inserts a percentage sign and automatically multiplies the value inserted by 100 for display (for example, #%).

PTS: 1 REF: 128 TOP: Critical Thinking