5.1 Frequency Tables

NAME:_____

Corrective Assignment

DATE:_____

Fill in the missing cells of the two way frequency tables.

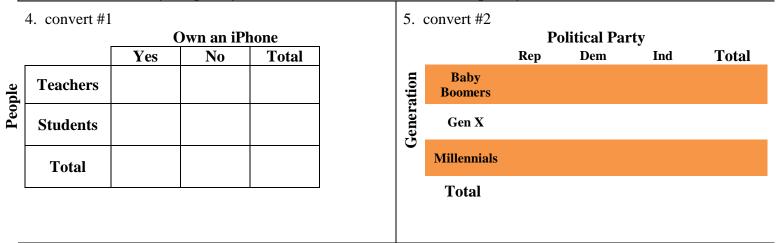
	l.				2.							
	Own an iPhone					Political Party						
_		Yes	No	Total	Ъ		Rep	Dem	Ind	Total		
People	Teachers	20			Generati 9	Baby Boomers	50	45		103		
	Students		60			Gen X		118		255		
	Total	150		240		Millennials	60		82			
-						Total		218	112			

3.

Favorite Day of the Week

		I avoirie Day of the vv cen										
		Sun	Total									
ender	Boys		18		48	16	107					
Gen	Girls	6		34	40							
	Total		38	55		48						

Convert the two way frequency tables from above into relative frequency tables.



6. convert #3

Favorite Day of the Week

		Wed	Thur	Fri	Sat	Sun	Total
der	Boys						
Gender	Girls						
	Total						

Use the two way frequency table and relative frequency table to answer the following.

Two Way Frequency Table

		Stu	Study for Test									
-		Yes	Total									
lent	A Students	28	3	1	32							
Type of Student	B Students	22	8	6	36							
ype o	C Students	14	12	10	36							
Ε	Total	64	23	17	104							

- 7. What percent of students will study for the test?
- 8. What percent of the students are B students that will study?
- 9. How many B students surveyed said "Maybe" ?
- 10. How man C students were surveyed?

Relative Frequency Table

		St	Study for Test									
_		Yes	No	Maybe	Total							
ents	A Students	.269	.028	.009	.307							
Stude	B Students	.211	.076	.057	.346							
Fype of Students	C Students	.134	.115	.096	.346							
Ty	Total	.615	.221	.163	1							

- 11. Given a student is a B student, what percent said "No" to studying?
- 12. If you randomly selected a student who said "Yes" to studying, what percent are B students?
- 13. If you randomly selected a student that was a C student, what percent said "Maybe" to studying?

1.								2.							
		_)wn an il							olitical Pa Dem	arty In	d Total		
0			Yes	No	Tota			.u	Baby	Rep 50	45	8		L	
People	Teach	iers	20	30	50			eneration	Boomers						
Pe	Stude	ents	130	60	190)		Gen	Gen X	115	118	22			
	Tot	al	150	90	240)		Ŭ	Millennials	60	55	82			
									Total	225	218	11	2 555		
3.	-							4.							
	_	Wed	Thur	Fri	Sat	Sun	Total	-		Yes	Own an iP No	hone Tota	1		
	Boys	4	18	21	48	16	107		Teachers	.083	.125	.208			
	Girls	6	20	34	40	32	132	People	Teachers	.065	.125	.208			
	Total	10	38	55	88	48	239	_ Å	Students	.541	.25	.791			
									Total	.625	.375	1			
5.								6.							
			Political Par		T (1				Favorite Day of the Week						
- 1	Baby	Rep	Dem	Ind	Total					Wed	Thur	Fri	Sat	Sun	Total
atio	Boomers	.09	.081	.014	.185			G ender	Boys	.016	.075	.087	.2	.066	.447
G eneration	Gen X	.207	.212	.039	.459			Gen	Girls	.025	.083	.142	.167	.133	.552
0	Millennial	s .108	.099	.147	.354				Total	.041	.158	.23	.368	.2	1
	Total	.405	.392	.201	1				LI		I	1			
7.6	7. 61.5% 8. 21.1%						9.	6 student	S			10. 36 stu	udents		
11.	11. $\frac{8}{36} = 22.2\%$ 12. $\frac{22}{64} = 34.3\%$						13	$\frac{10}{36} = 27$.7%						

Answers to Corrective Assignment 5.1