	A	B	C	D	E	F	G
1							Comments/ Instructions
2		sample size	5				The numbers in these regions are inputed by the user.
3	Problem 1						The number in these regions is calculated by the spreadsheet
4	total	6	7		number		
5		red	green		of samples		
6	want	3	2		420		
7							

	A	B	C	D	E
1					
2		sample size	5		
3	Problem 1				
4	total	6	7		number
5		red	green		of samples
6	want	3	=C2-B6		=COMBIN(B4,B6)*COMBIN(C4,C6)

	A	B	C	D	E	F	G	H	I	J
1		sample	15							
2									The numbers in these regions are inputed by the user.	
3	Problem 2									
4	total	17	10			number			The number in these regions is calculated by the spreadsheet	
5		red	green			of samples				
6	want	7	8			875,160			Note: I typed the formula in cell C6 and pressed enter. Then I clicked on the cell C6. Notice the small black square in the bottom right of the cell. Hold the left mouse button down on that box and drag downward. This copies the cell down. This process will also change any formula references that are not held fixed with the dollar signs. I did a similar action with the formula in cell F6.	
7		8	7			2,917,200				
8		9	6			5,105,100				
9		10	5			4,900,896				
10		11	4			2,598,960				
11		12	3			742,560				
12		13	2			107,100				
13		14	1			6,800			The above action could have also been done by using the copy and past function.	
14		15	0			136				
15										
16					total	17,253,912				
17										

	A	B	C	D	E	F
1		sample	15			
2						
3	Problem 2					
4	total	17	10			number
5		red	green			of samples
6	want	7	=$C$1-B6			=COMBIN($B$4,B6)*COMBIN($C$4,C6)
7		8	=$C$1-B7			=COMBIN($B$4,B7)*COMBIN($C$4,C7)
8		9	=$C$1-B8			=COMBIN($B$4,B8)*COMBIN($C$4,C8)
9		10	=$C$1-B9			=COMBIN($B$4,B9)*COMBIN($C$4,C9)
10		11	=$C$1-B10			=COMBIN($B$4,B10)*COMBIN($C$4,C10)
11		12	=$C$1-B11			=COMBIN($B$4,B11)*COMBIN($C$4,C11)
12		13	=$C$1-B12			=COMBIN($B$4,B12)*COMBIN($C$4,C12)
13		14	=$C$1-B13			=COMBIN($B$4,B13)*COMBIN($C$4,C13)
14		15	=$C$1-B14			=COMBIN($B$4,B14)*COMBIN($C$4,C14)
15						
16					total	=SUM(F6:F14)

	A	B	C	D	E	F	G
1		sample	9				
2							
3	Problem 3						
4	total	12	10	11			number
5		red	green	purple			of samples
6	want	4	3	2			3,267,000
7		5	3	1			1,045,440
8		6	3	0			110,880
9		4	4	1			1,143,450
10		5	4	0			166,320
11		4	5	0			124,740
12							
13						total	5,857,830
14							

	A	B	C	D	E	F	G
1		sample	9				
2							
3	Problem 3						
4	total	12	10	11			number
5		red	green	purple			of samples
6	want	4	3	=$C$1-B6-C6			=COMBIN($B$4,B6)*COMBIN($C$4,C6)*COMBIN($D$4,D6)
7		5	3	=$C$1-B7-C7			=COMBIN($B$4,B7)*COMBIN($C$4,C7)*COMBIN($D$4,D7)
8		6	3	=$C$1-B8-C8			=COMBIN($B$4,B8)*COMBIN($C$4,C8)*COMBIN($D$4,D8)
9		4	4	=$C$1-B9-C9			=COMBIN($B$4,B9)*COMBIN($C$4,C9)*COMBIN($D$4,D9)
10		5	4	=$C$1-B10-C10			=COMBIN($B$4,B10)*COMBIN($C$4,C10)*COMBIN($D$4,D10)
11		4	5	=$C$1-B11-C11			=COMBIN($B$4,B11)*COMBIN($C$4,C11)*COMBIN($D$4,D11)
12							
13						total	=SUM(G6:G11)