

	A	B	C	D	E	F	G
1							
2		sample size	5				
3	Problem 1						
4	total	6	7		number		
5		red	green		of samples		
6	want	3	2		420		
7							
8							

	A	B	C	D	E	F
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)	
7						

	A	B	C	D	E
1		sample	15		
2					
3	Problem 2				
4	total	17	10		number
5		red	green		of samples
6	want	7	8		875,160
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
14		15	0		136
15					
16				total	17,253,912

	A	B	C	D	E
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(E6:E14)