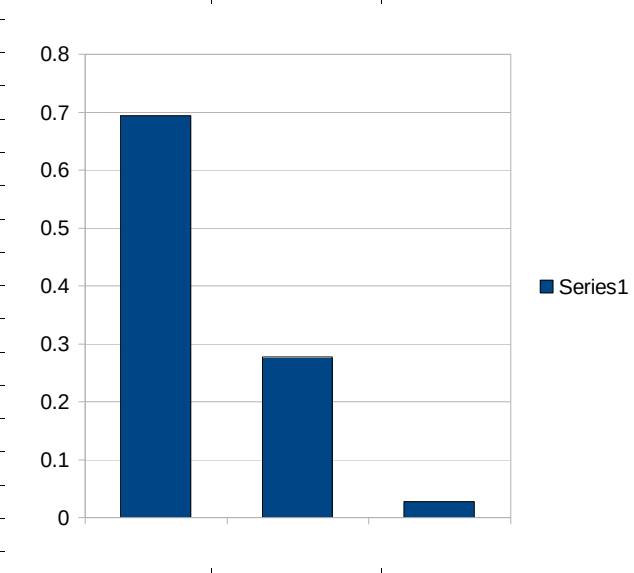
Taylor 10.2	Throwing nu aces in two throws					
	Number aces	Prob.				
	0	(5/6)*(5/6)	=	0.694444444		
	1	2*(5/6)*(1/6)	=	0.277777778		
	2	(1/6)*(1/6)	=	0.027777778		
				1		
Taylor 10.6						
	nu	Binomial Coefficient (n=4)				
	0	4!/(0!*4!)	1			
	1	4!/(1!*3!)	4			
	2	4!/(2!*2!)	6			
	3	4!/(3!*1!)	4			
	4	4!/(4!*0!)	1			
	p^4+4p^3q+6p^2q^2+4pq^3+q^4					
Taylor 10.10						
	Survivors	Probability			Probability	Survivors
	0	.8^4	*1=	0.4096	0.4096	0
	1	.8^3*.2	*4=	0.4096	0.4096	1
	2	.8^2*.2^2	*6=	0.1536	0.1808	2 or more
	3	.8*.2^3	*4=	0.0256		
	4	.2^4	*1=	0.0016		
				1.0000	1.0000	

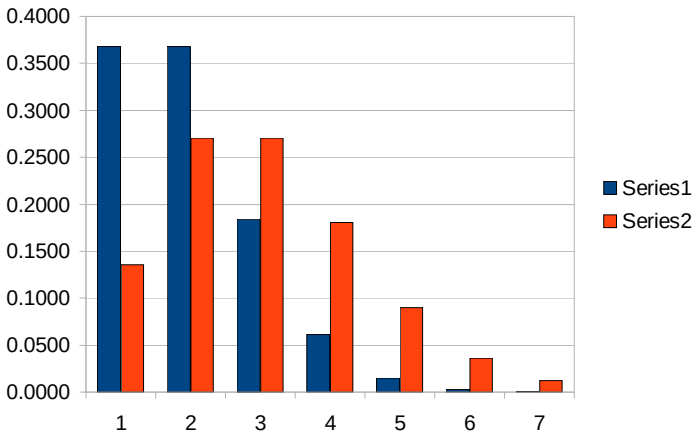


Taylor 10.16

	Binomial (n=4)		Gauss (X=2, sigma=1)	
nu	Prob.		Prob. (Taylor 5.25)	
0	1*0.5^4=	0.0625	0.053990989	
1	4*0.5*0.5^3=	0.25	0.241970827	
2	6*0.5^2*0.5^2=	0.375	0.398942449	
3	4*0.5*0.5^3=	0.25	0.241970827	
4	1*0.5^4=	0.0625	0.053990989	
		1	0.990866081	

Taylor 11.2

	Poisson Distribution (mu=1)		Poisson Distribution (mu=2)	
nu				
0	0.3679		0.1353	
1	0.3679		0.2707	
2	0.1839		0.2707	
3	0.0613		0.1804	
4	0.0153		0.0902	
5	0.0031		0.0361	
6	0.0005		0.0120	



Col C: mu=1
Col C: mu=2

Taylor 11.4						
	nu		Prob 2 or less			
	0	0.0821	0.54			
	1	0.2052				
	2	0.2565				
		0.2138				
		0.1336				
		0.0668				
		0.0278				
		0.0099				
		0.995753305				
	Prob 0=	0.0821	Days w/0 eggs=	2.2988	2	
	Prob 2 or less=	0.54	Days w/2 or less eggs=	15.12	15	
	Prob 3 or more=	0.46	Days w/3 or more eggs=	12.88	13	
Taylor 11.20						
	Particles	Time (min)	Particles per min	Uncertainty	Particles per hour	Uncertainty
Rock	225	10	22.5	4.74341649	1350	36.74234614
Background	90	6	15.0	3.872983346	900	30
	Rock activity=1350-900=450					
	Rock activity uncertainty=SQRT(36.74^2+30^2)=			47.4341649		
	Rock acitivity=450±50 particles per minute					
	Experiment shows that rock is radioactive within uncertainty.					