Dog Prob	0.5				
Cat Prob	0.5				
Test 1	# Of Kids	% of Probability			
Cat	3	30%			
Dog	7	70%			
Frequency	Percentage	Decimal		Factorial	
Cat	(.5)^3	0.125		10!/(7!*(10-7)!)	[1]
Dog	(.5)^7	0.0078125		120	
Chance a kid would choose a dog in a different group of 10 kids					
0.1171875	11.71%				

[1] This equals (10*9*8*7*6*5*4)/(7*8*6*5*4*3*2*1)
604,800/5040=120