



Exercise

Here's a table containing the the probabilities of X for different values. Complete the table, filling out the probability that there will be x number of trials, and indicating what the power of 0.8 and 0.2 are in each case (the number of times 0.8 and 0.2 appear in $P(X = x)$).

x	P(X = x)	Power of 0.8	Power of 0.2
1	0.2	0	1
2	0.8×0.2	1	1
3	$0.8^2 \times 0.2$	2	
4			
5			
r			

r is a particular value of x but we're not saying which one. Can you guess what the probability will be in terms of r ?

We've left extra space here for your calculations.