

**Assignment: Binomial Distribution**

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1. Find the probability of exactly 15 successes in 121 trials with  $p = 0.1$
2. Find the probability that in 30 tosses of a fair coin the head comes up with less than 24 times.
3. Find the probability that in 75 tosses of a fair coin the tail comes up between 28 and 42 times.
4. How many heads will have a probability of 0.80 will come out when a coin is tossed 25 times.