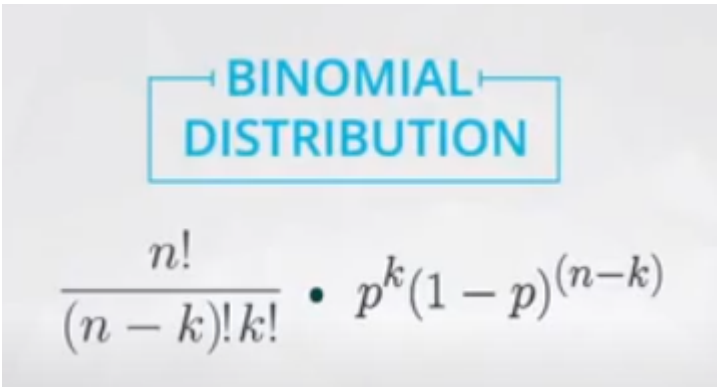
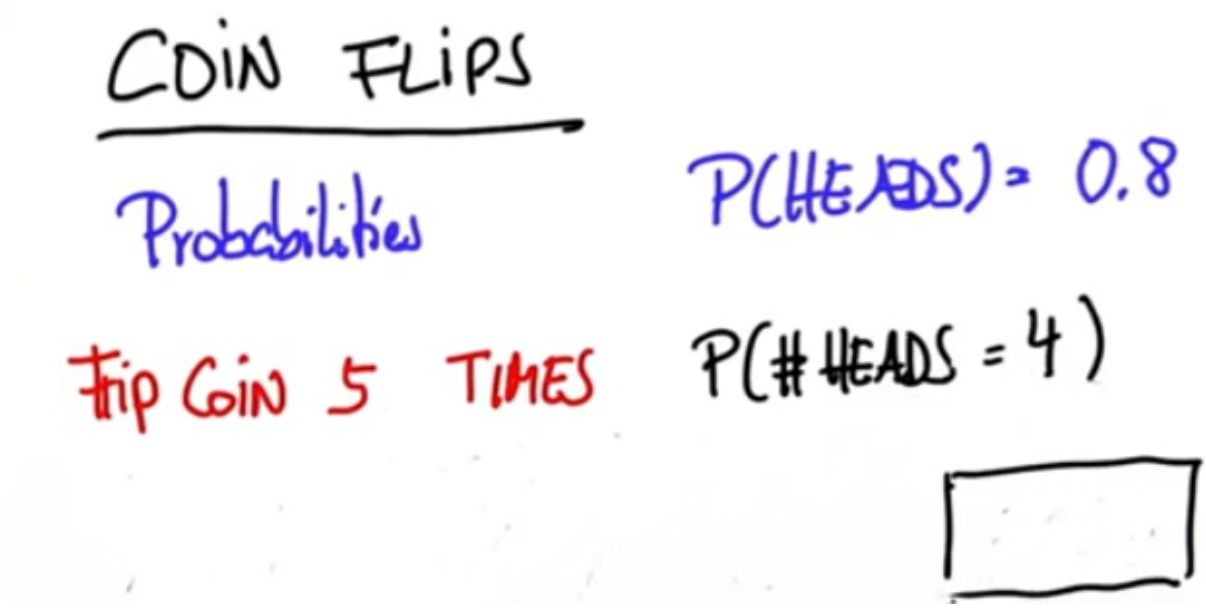
Binominal Distribution

We here continue over the last lesson but we have a mathematical formula of possible ways to get a side of a coin depending on probability

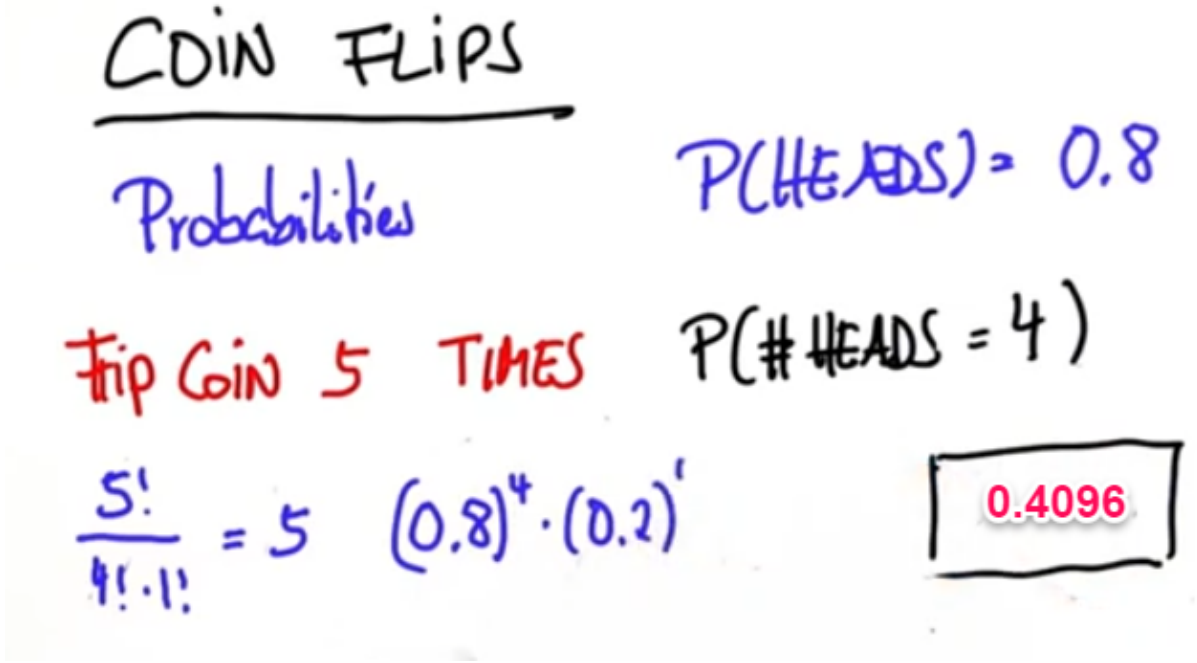


EX:

in the previous example if we flipped a coin (n) times and the we wanted to see how many heads appeared (k)
the formula will use the binominal formula as stated in the example
Examples with solutions:



Solution:



In the previous example, we flipped the coin 5 times and wanted to check how many times we get 4 heads

by **substituting** in the binominal formula we get the **number of times the condition appears**

multiplying the condition by the probability of said condition gets us the **Probability**