

## **Binomial Probability**

**The probability of an exact number of items occurring through multiple events.**

***Basic Formula:***

$$\mathbf{C(n, r) * p^r * q^{n-r}}$$

**p = success probability**

**q = failure probability**

**Example:**

**The probability that an answer choice is correct is 25%. What is the probability that a question guessed 5 times will produce 2 correct answers?**