**Confidence Interval Critical Ideas**

1. Check conditions 🡪 choose the appropriate sampling distribution.
   1. State the conditions in general
   2. Verify each
2. Mechanics

***Statistic ± Critical Value \* Standard Error***

(formula in general or formula with substitution)

1. Interpretation (IN CONTEXT OF THE PROBLEM)

|  |  |
| --- | --- |
| Interval | I am 68% confident that my confidence interval (.22, .30) captures the true proportion of blue candies in Milk Chocolate M&Ms. |
| Level | If I repeatedly sample (same size), 68% of the CI’s will contain the true value. |