

5.4 MEAN, VARIANCE, AND STANDARD DEVIATION FOR THE BINOMIAL DISTRIBUTION

In Section 4.2, we used the general formulas for Any Discrete Probability Distribution

But the special qualities of Binomials Distributions, lead to specialized rules for Binomials

Both sets of formulas appear on pg. 225

FORMULAS FOR BINOMIAL DISTRIBUTIONS:

mean: $\mu = n \cdot p$

variance: $\sigma^2 = n \cdot p \cdot q$

standard deviation: $\sigma = \sqrt{n \cdot p \cdot q}$

*****#6, pg. 232**

***** #8, pg. 232**

*****#14, pg. 233**