

Answer on Question #34409 – Math – Statistics and Probability

If $n = 10$ and $p = 0.70$ then the standard deviation of the binomial distribution is

Solution

The standard deviation of binomial distribution is given by

$$\sigma = \sqrt{np(1-p)} = \sqrt{10 \cdot 0.7(1-0.7)} = 1.45$$

Answer: 1.45.