

We have an event that will be repeated 8 times with a probability of success of 0.3.

What is the $P(x = 5)$?

Tap **Interactive, Distribution/Inv. Dist, Discrete, binomialPDF.**

Enter the three required values as shown and then tap **OK.**

The probability of 5 successes in the 8 trials is about 0.047.

What is the $P(1 \leq x \leq 3)$?

Tap **Interactive, Distribution/Inv. Dist, Discrete, binomialCDF.**

Enter the four required values as shown and then tap **OK.**

The probability of at least 1 and no more than 3 successes in the 8 trials is about 0.748.

Binomial probabilities can also be calculated in the Stats application. The method is explained in another help sheet. Please refer to the menu.

