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475	Graph Binomial Distribution	Author	Charlie Watson
		Date	31 January 2010
		CPM OS	**03.04.4000**

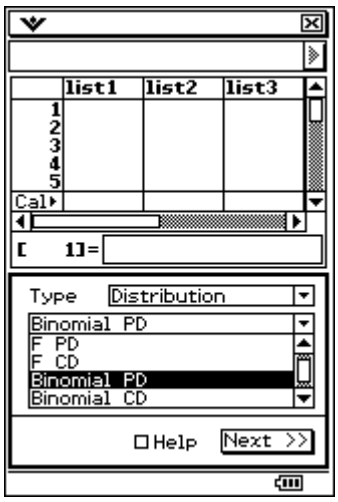
Start in the Statistics application.

Assume that we have an event that is repeated 10 times with a constant probability of success of 0.65.

We will start as if a binomial probability calculation is required, such as find the $P(x = 5)$.

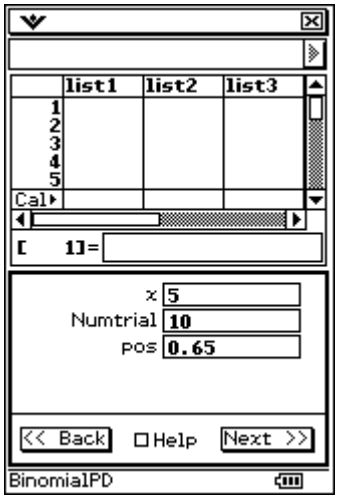
Tap **Calc, Distribution** and then choose **Binomial PD** from the lower drop down menu.

Tap Next >>.



Enter the three required values as shown and then tap Next >>.

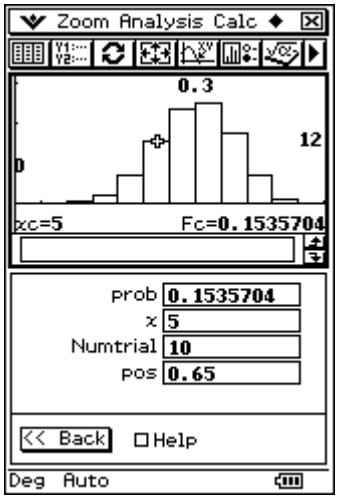
Note that x can be any value between 0 and the Numtrial value.



The next screen shows that the probability of 5 successes in the 10 trials is about 0.15.

Tap on the graph icon in the top left corner of the screen.

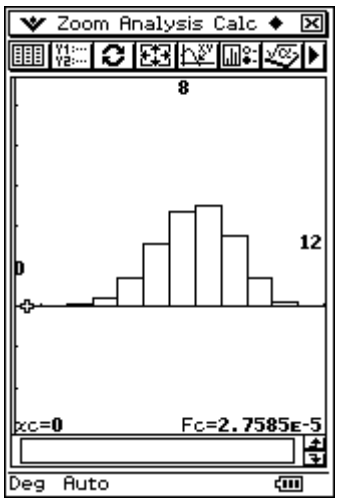
The selected column on the histogram represents the calculated binomial probability.



Tap **Resize**.

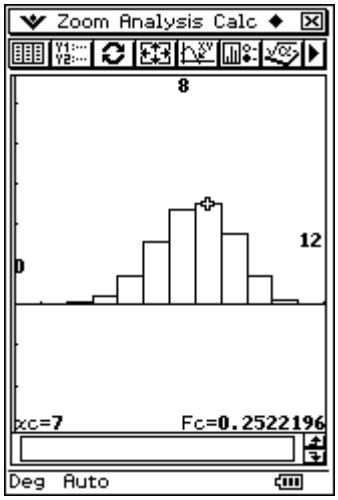
Tap the right cursor key.

The cursor jumps to the column associated with $P(x = 0)$.



Now tap the right or left cursor keys to view other binomial probabilities for this situation.

The most likely number of successes is 7, with $p = 0.252$.



Close the graph window by tapping ⊠ in the top right corner.

Finally tap **Resize** to return to the lists.
