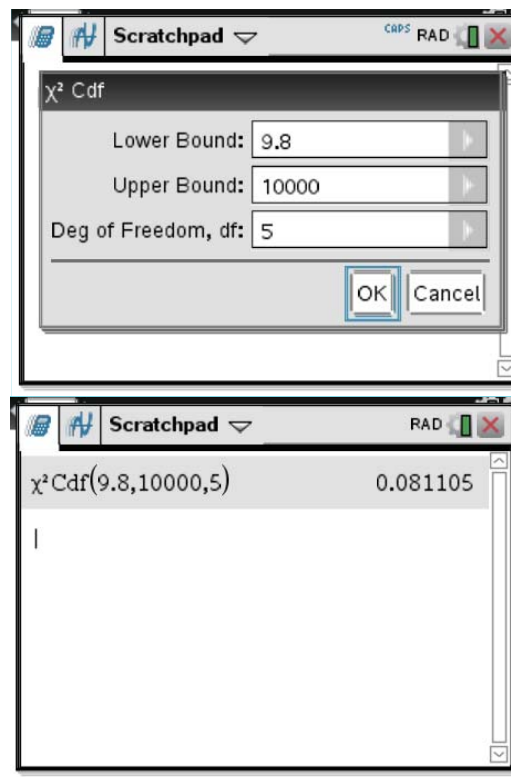## 27. Finding P-values for chi-square tests on the calculator

To find the *P*-value in the M&M'S® Milk Chocolate Candies example with your calculator, use the χ^2 cdf command. We ask for the area between $\chi^2 = 9.8$ and a very large number (we'll use 10,000) under the chi-square density curve with 5 degrees of freedom.

·   Press (≡▤) and the *Calculator Scratchpad* should appear.

·   Press (menu) → *Statistics* → *Distributions* → $\chi^2 Cdf$

·   A dialogue box will appear: Enter the values as shown in the box below. (tab) to (OK) and press (enter).

As the calculator screen shot shows, this method gives a more precise *P*-value than Table C.