

In a random sample of 225 items produced by a machine, 36 were observed to be faulty.

Estimate the percentage of all items from the machine that are faulty and calculate a 95% confidence interval for this estimate.

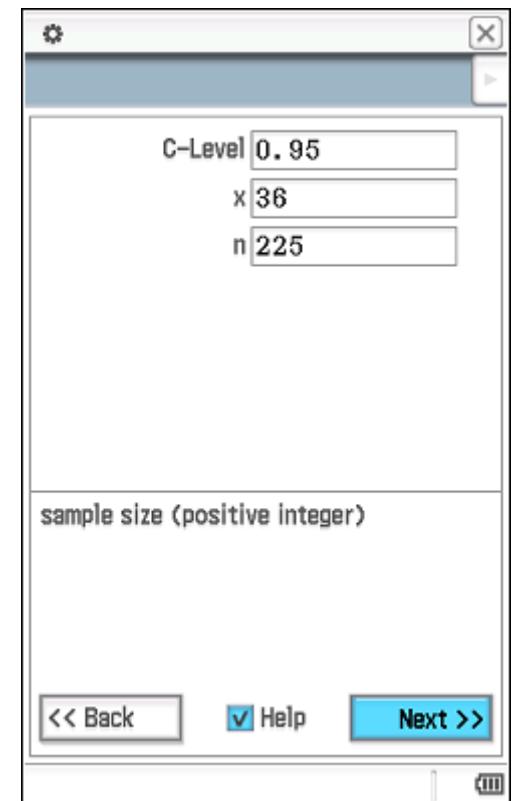
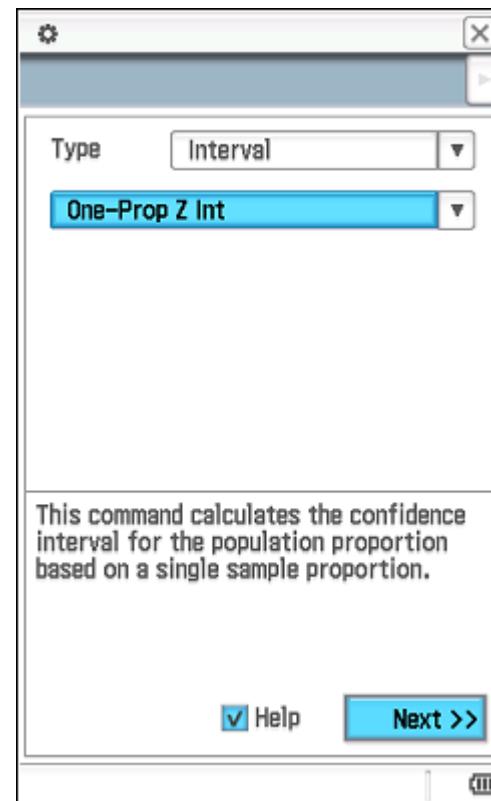
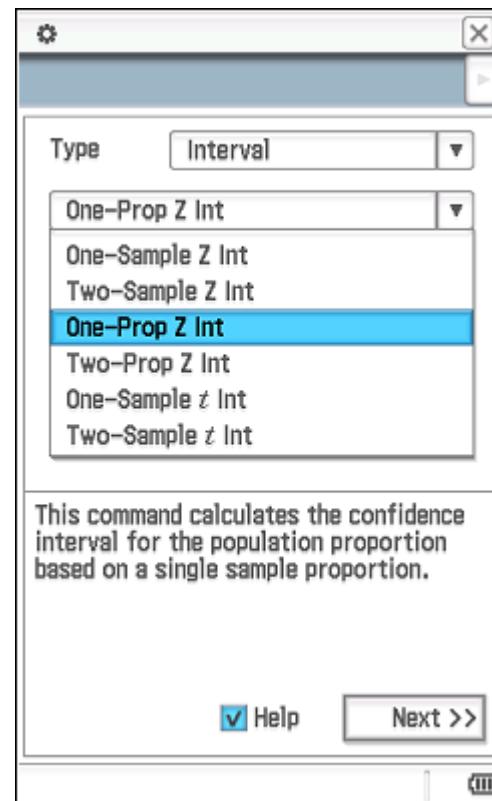
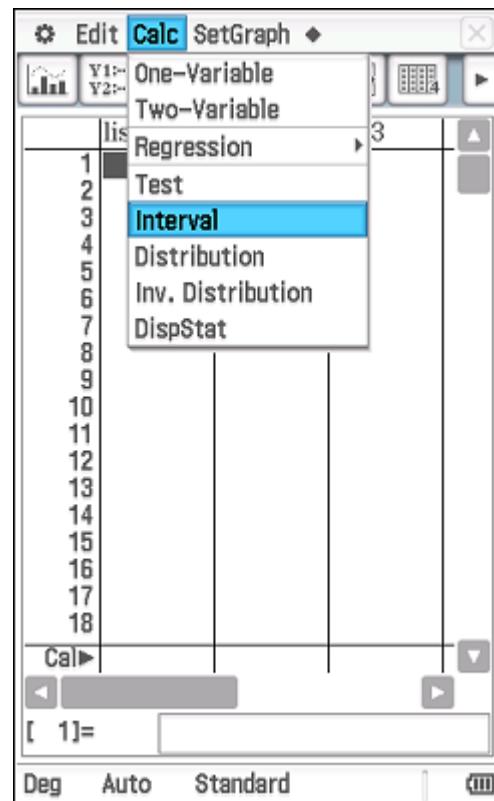
In Statistics, tap **Calc**, **Interval**.

In the next window tap **Help** and then select a *One-Prop Z Int*.

Tap **Next**.

Enter the 95% confidence level as a decimal.

Enter the other parameters and tap **Next**.



The lower and upper bounds of the confidence interval are displayed, together with the sample proportion.

Tap  to close the Interval tool or back to modify the interval parameters.

