

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.

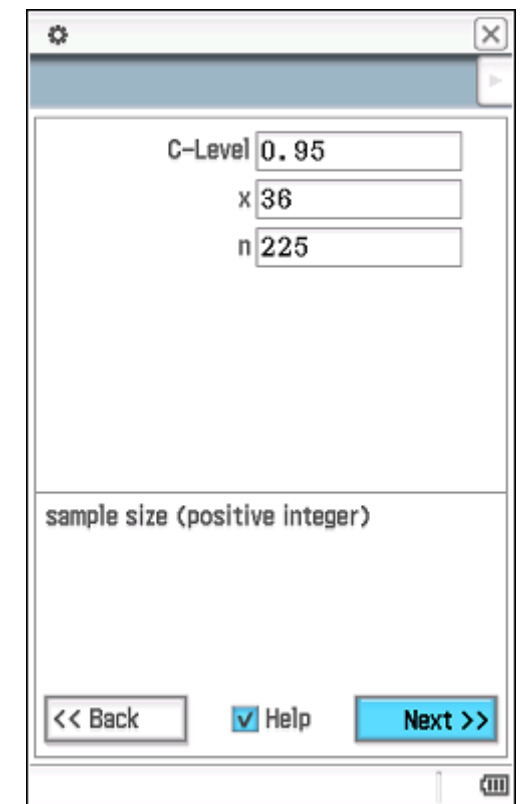
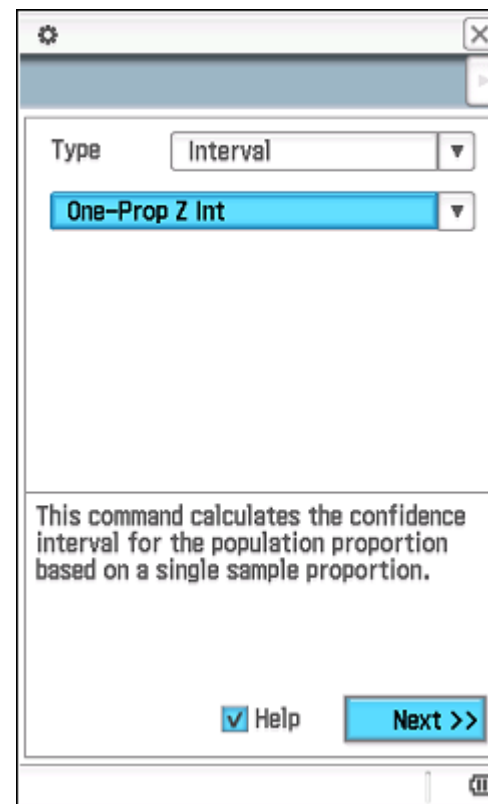
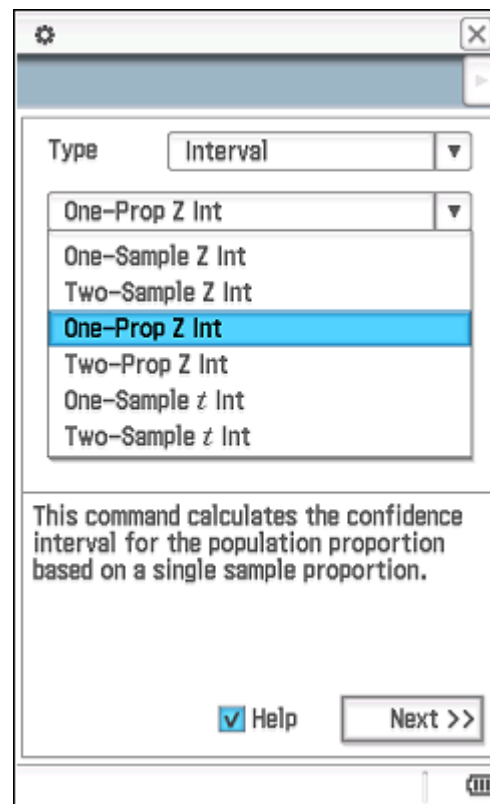
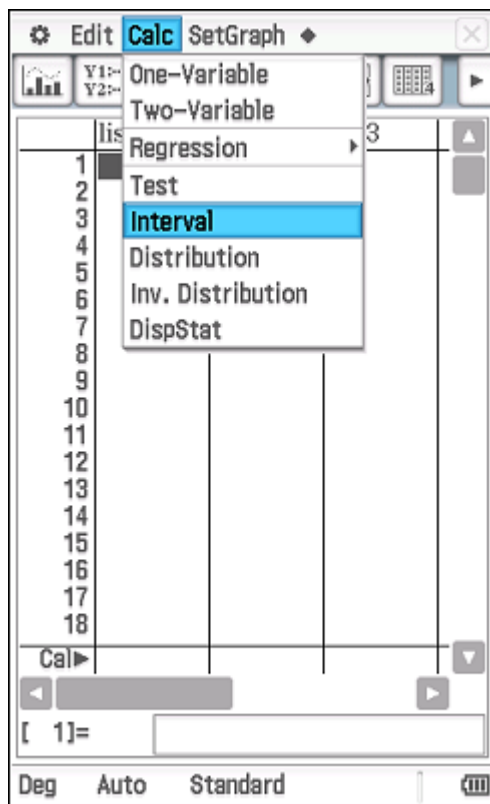
Enter the 95% confidence level as a decimal.

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


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

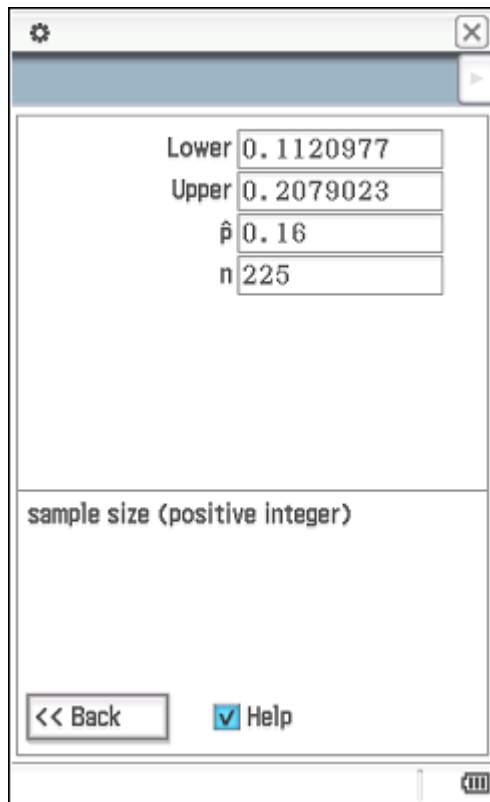
Tap **Next**.

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



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

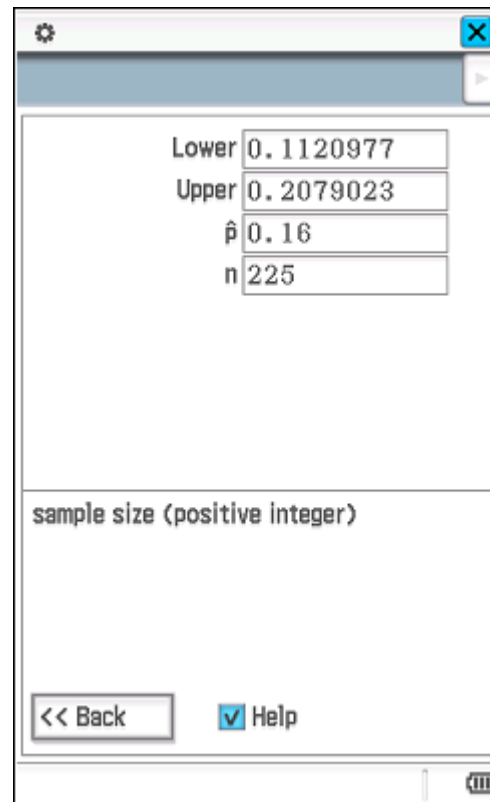
Tap  to close the Interval tool or back together with the sample proportion.



Lower 0.1120977
Upper 0.2079023
 \hat{p} 0.16
n 225

sample size (positive integer)

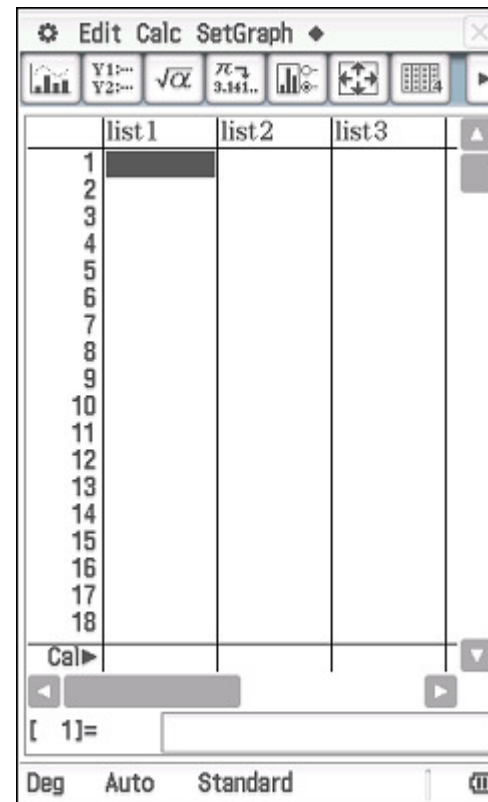
<< Back Help



Lower 0.1120977
Upper 0.2079023
 \hat{p} 0.16
n 225

sample size (positive integer)

<< Back Help



Edit Calc SetGraph

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