

TI-*nspire*

Name _____

STATISTICAL INFERENCE: Confidence Intervals

Period _____ Date _____

Open the 1-Prop Confidence Intervals file on your TI-*nspire*. Save the file under your name and today's date. Follow the instructions and record your answers on this page.

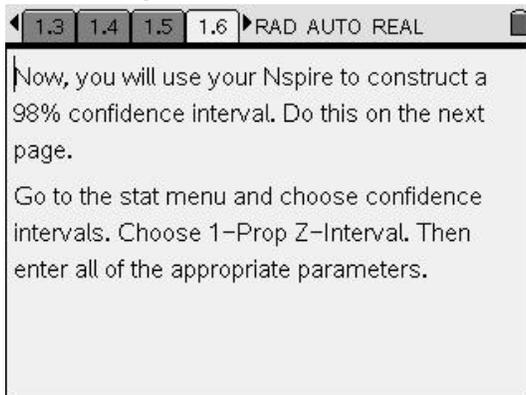
1.1 Mystery Inc.

1.2 Identify your variables and set up your formula.

1.3 Report the confidence interval from your formula.

1.4 Interpret your confidence interval. Be sure to include the context of the problem. Use complete sentences.

1.6 Report the confidence interval from your TI-*nspire*.



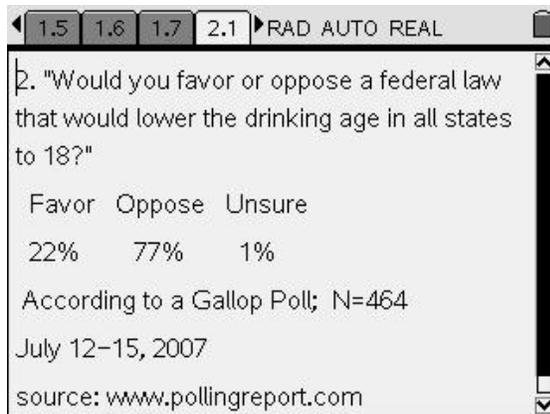
1.3 1.4 1.5 1.6 ▸RAD AUTO REAL

Now, you will use your Nspire to construct a 98% confidence interval. Do this on the next page.

Go to the stat menu and choose confidence intervals. Choose 1-Prop Z-Interval. Then enter all of the appropriate parameters.

1.7 How do the two intervals compare?

2.1 New Federal Law?



2.3 Report your 98% confidence interval.

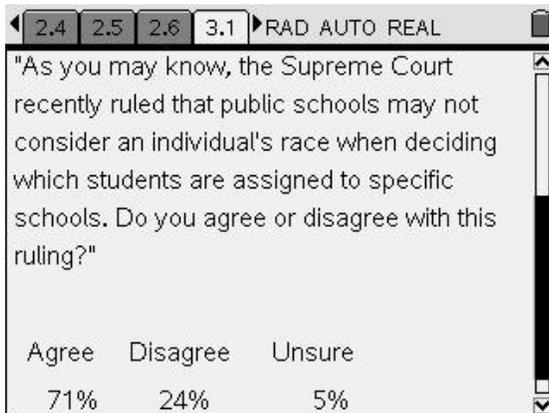
2.5 Report your 95% confidence interval.

2.5 Report your 90% confidence interval.

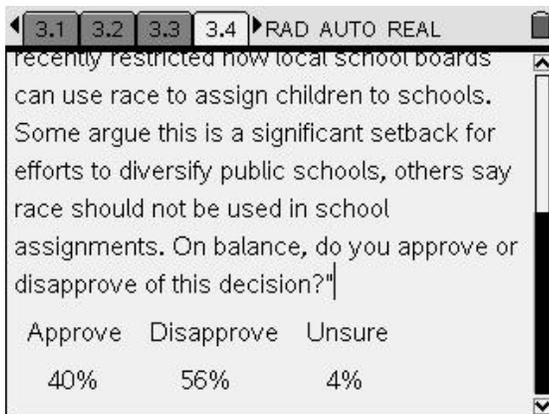
2.6 Describe your conclusions after comparing the three intervals that you just constructed. Use complete sentences.

3.1 Supreme Court Ruling

3.3 Quinnipiac University Poll: Report your confidence interval.



3.6 ABC News/Washington Post Poll: Report your confidence interval.



3.7 Compare the two confidence intervals. Are they the same? Do they overlap? Why do you suppose they are (or are not) the same? Use complete sentences.