Steps for Finding a z Confidence Interval for the Mean (DATA):

1. Enter the data into L_1
   a) Go to STAT **à** Select 1 for Edit **à** Enter data given into L1.
   b) Go back to STAT **à** Move over to CALC **à** Select 1 for 1Var Stats **à** Press ENTER Twice
2. Press STAT again **à** Move cursor to TESTS
3. Select 7 for ZInterval
4. Move the cursor to DATA **à** Press ENTER
5. Type in the appropriate values
   a) On the line for σ **à** Press VARS for variables
   b) Select 5 for Statistics
   c) Select 3 for Sx **à** Press Enter
   d) Make sure list is L1
   e) Freq: 1 (shouldn't need to change)
   f) C-Level: Type in your percent as a decimal (This is the confidence interval that you are trying to find)
6. Move the cursor to Calculate **à** Press Enter
   a) Screen should show:
      ZInterval
      (Value 1, Value 2)
      $\tilde{x}$= Value 3
      Sx= Value 4
      n = Value 5
      (Values 1-5 represent numbers)

So your answer will be the confidence interval

Value 1 **<** μ **<** Value 2

Steps for Finding a z Confidence Interval for the Mean (STATISTICS):

1. Press STAT **à** Move cursor to TESTS
2. Select 7 for ZInterval
3. Move the cursor to STATS **à** Press ENTER
4. Type in the appropriate values
   a) On the line for σ: **à** Enter value given for the standard deviation
   b) On the line for $\tilde{x}$: **à** Enter value given for the sample mean
   c) On the line for n: **à** Enter value given for the sample size
   d) On the line for C-Level: **à** Type in your percent as a decimal (This is the confidence interval that you are trying to find)
5. Move the cursor to Calculate **à** Press Enter
   a) Screen should show:
      ZInterval
      (Value 1, Value 2)
      $\tilde{x}$= Value 3
      n = Value 4
      (Values 1-4 represent numbers)

So your answer will be the confidence interval

Value 1 **<** μ **<** Value 2