

1) Given
$$p = 0.85$$

p implies
$$q=1-0.85=0.15$$

$$E = 0.02$$

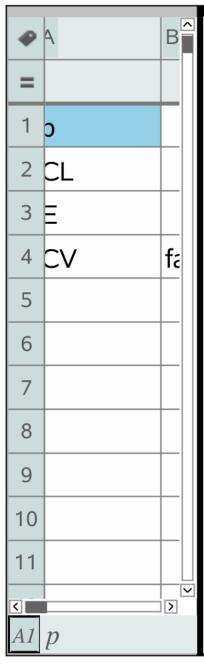
$$CL = 0.9$$

CL implies alpha =0.1 and half alpha =0.05

$$CV = 1.645$$
 (famous)

$$\mathbf{n} = [(1.645)^2 (0.85)(0.15)]/(0.02)^2$$

WE ALWAYS ROUND THIS UP TO NEXT INTEGER!



1) Given p =0.45

p implies q=1-0.45=0.55

E = 0.02

CL = 0.99

CL implies alpha = 0.01 and half alpha = 0.005

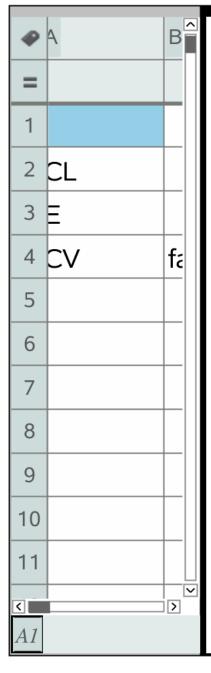
CV = 2.575 (famous)

 $\mathbf{n} = [(2.575)^{2}(0.45)(0.55)]/(0.02)^{2}$

=4102**.**7

WE ALWAYS ROUND THIS UP TO NEXT INTEGER!

=4103.



3) Given p = UNKNOWN

$$E = 0.034$$

$$CL = 0.95$$

CL implies alpha = 0.05 and half alpha = 0.025

$$CV = 1.96$$
 (famous)

$$n = [(1.96)^{2}(0.25)]/(0.034)^{2}$$

=830.796

WE ALWAYS ROUND THIS UP TO NEXT INTEGER!

=831.

