Explanation Let x = 76% sample mean n = 100

Sample statistic is equal to sample mean which is 76%.

To solve for the margin of error : Let MOE = MARGIN OF ERROR $MOE = z\sqrt{(x(1-x)/n}; z score for 99% percentile is 2.576$ $<math>= 2.576\sqrt{(0.76(1-0.76)/100}$ = 0.11*100 **MOE = 11%** To solve for confidence interval : Let CI = confidence interval : CI = xPMOE $= 0.76 \pm 0.11$; solve for the upper range $= 0.76 \pm 0.11$; solve for the upper range = 0.76 + 0.11 CI = 0.87*100 CI = 87%For the lower range ; CI = 0.65*100CI = 65%

The confidence interval can be written as 76%±11%