A scientist captures 120 field mice and marks their ears with an ear tag then releases them back into the field. The next day, he returns and captures 200 mice. Of these, 75 were marked. What is the total population? Show your work.

If the actual population is 335, what is the percent error in the experiment?

Answer in complete sentences:
What are 3 assumptions of the Lincoln- Peterson (Mark-recapture) technique?

Pick 2 categories of animals (mammals, birds, reptiles, fish). For each one, tell one way each can be marked.