Part A Probability.

100 people

30 random 70 trumful

15 yes 15 no 50 yes 20 no

R = Random Clicker
T = Trurnhl Clicker
Y = Yes Clicks

$$P(Y) = P(Y,Q_1) + P(Y,Q_2)$$

$$= P(Q_1) \times P(Y|Q_1) + P(Q_2) \times P(Y|Q_2)$$

$$P(Y) = P(R) \times P(Y|R) + P(T) \times P(Y|T) \rightarrow Rnie of total probability 0.65 = .3 x .5 + .7 x P(Y|T)

0.5 = .7 \times P(Y|T)$$