

Name: _____ Date: _____

Capture-Recapture Experiment

Step 1: Calculate the average number of marked fish recaptured.

Sample	Number of marked fish	Number of fish captured
2		
3		
4		
Average	B =	C =

Step 2: Enter the values for A, B and C.

$$\begin{array}{l}
 \frac{B = \text{Average number of marked fish recaptured}}{C = \text{Average number of fish recaptured}} \\
 \\
 \frac{\boxed{B}}{\boxed{C}}
 \end{array}
 =
 \frac{A = \text{Total number of marked fish}}{\text{Total fish in ocean}}$$

Step 3: Solve the equation to calculate an estimate of the amount of fish in the ocean.

$$\begin{array}{l}
 \text{Estimation for total fish in ocean (population size)} \\
 \\
 = \frac{A \times C}{B} \\
 \\
 = \boxed{}
 \end{array}$$