

# Capture / Recapture Fish Data Sheet

Names \_\_\_\_\_

## Procedure:

1. Estimate the number of total fish in your habitat.  
Estimated number of fish \_\_\_\_\_.
2. Pick the number of fish that you would like to tag. Record this number in column 1.
2. Replace goldfish with tagged fish. Mix around.
3. Select a sample of goldfish. Count the total fish in the sample, enter that number into column 2.
4. Count the number of "tagged" fish, enter that number into column 3.
5. Write the proportion in column 4.
6. Solve the proportion to estimate the number of fish in your pond.

*For the most accurate results, repeat the procedure several times and take an AVERAGE.*

	Column 1	Column 2	Column 3	Column 4	
Trial #	Total Tagged: Number of fish you want to "tag"	Number of total fish in sample	Number of "tagged" fish in sample	$\frac{x \text{ (Total Fish)}}{\text{Total Tagged}} = \frac{\text{Number of Fish (sample)}}{\# \text{ of Tagged Fish (sample)}}$	Calcula- tion
<b>1</b>					
<b>2</b>					
<b>3</b>					
<b>4</b>					

**Average** \_\_\_\_\_

**Now, count the ACTUAL number of fish in your habitat.** \_\_\_\_\_  
(include tagged and untagged fish)

When you are finished, write down other things you would be interested in estimating!