

"Something Fishy" Recording Sheet

1. "Capture" fish from your container. How many fish did you capture? _____
These will be the "tagged" fish.
2. Tag these fish by **replacing** these fish with pretzel fish. Return the pretzel fish to the container and mix them up (without looking). (Do NOT return the captured goldfish - the pretzel ones are replacing them.)
3. "Recapture" fish by scooping out a sample. Count how many pretzel fish there are and how many total goldfish there are. Record the numbers below, put the fish back in, mix them up again, and "recapture" again.

	"Tagged" Fish	Total Number of Fish	Ratio of tagged to total
Recapture 1:	_____	_____	_____
Recapture 2:	_____	_____	_____
Recapture 3:	_____	_____	_____
Recapture 4:	_____	_____	_____
Recapture 5:	_____	_____	_____
Recapture 6:	_____	_____	_____

4. Find the **average** tagged and the **average** total. Record below:

Average tagged	Average total	Ratio of tagged to total
_____	_____	_____

5. Write a proportion to help you figure out the total number of fish in the "bay."

Your proportion: _____ = _____

Your estimate of the total number in your "bay" _____

6. Count the fish in your "bay."

The actual number of fish in your "bay" _____

How do your estimate and actual numbers compare? _____
