Names:		_
		_

CAPTURE & RECAPTURE

- 1. From the paper bag pull out (capture) a handful of beans and mark each one.
- 2. Put the marked beans back in the bag and shake the bag.
- 3. From the bag, pull ten beans. Count how many of those are marked and how many are unmarked and fill in the sheet below. Put the beans back into the back and shake.
- 4. Pull out ten more beans. Count how many beans are marked and unmarked.
- 5. Repeat this process six times.

Use this equation	on for your proportions
Marked Beans (in handful)	Total Marked Beans (in cup
,	=

Total Beans (in handful) Total Number of Beans (in cup) Trial Number Number of Total Number of Marked beans: **Estimated Population** Marked beans beans total Number (proportion equation) Solve for x (ratio) 2 Example 10 2:10 2 42 (42 marked beans from step 10 Χ 2x = 4201) X = 2101 2 3 4 5 6

Based	on y	our t	trails,	how many	y beans do	you thir	ık were i	n the	cup?	
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