**![C:\Users\Alice\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\GX2KFHIT\MC900052719[1].wmf]()Capture-recapture**

1. Scatter the paper clips onto your desk.
2. Have one person close their eyes and randomly “capture” 10 paper clips.
3. Mark these paper clips with a marker. This is the number of **originally tagged** paper clips.
4. Place the marked paper clips back with the rest of the paper clips and mix them up.
5. Have one person close their eyes and randomly “**recapture**” 10 paper clips.
6. Count how many of these 10 paper clips are marked and how many are not marked. Record the results.

Number of paper clips marked = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of paper clips unmarked = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Use this formula to estimate the population of paper clips.

**Population = original number tagged × total recaptured ÷ number tagged on recapture**

= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Count all the paper clips. How close was your population estimate to the real number of paper clips? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Enter your results on the classroom whiteboard.

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