Examining Samples Name:

Solve each problem.

1) In a library there was a donation box for books. A librarian wanted to estimate how many fiction and how many non-fiction books were in the box so she pulled out a sample. The results are shown below:

Sample #	1	2	3	4	5
Fiction	48	52	49	48	52
Non-Fiction	44	43	42	42	44

Based on the information presented can you infer anything about the types of books donated?

Based on the information presented there will be 13% more Fiction books donated.

2) For a canned food drive there were 3 types of cans vegetables donated: peas, carrots and green beans. To estimate how many of each type were donated, you pull out a sample. The results are shown below:

Sample #	1	2	3	4	5
peas	5	4	5	6	6
carrots	6	4	5	3	5
green beans	4	2	3	2	6

Based on the information presented can you infer anything about the types of cans donated?

Based on the information presented and the small samples gathered it is impossible to make any meaningful assumptions.

3) An ad agency was trying to determine if customers liked blue, green or red packaging better. To do this they took a sample of customers and polled them. The results are shown below:

Sample #	1	2	3	4	5
Red	41	46	46	45	45
Green	61	59	58	61	62
Blue	53	51	52	52	51

Based on the information presented can you infer anything about which color is liked the best?

Based on the information presented more customers would prefer Green than Red or Blue.

Examining Samples Name: **Answer Key**

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