Solve each problem.

1) In order to determine which type of sweets he should keep the most of in his shop a baker logged every 5th customers order. His findings are shown below:

Sample #	1	2	3	4	5
Cookies	41	42	39	42	40
Brownies	33	34	32	31	30
Cupcakes	24	22	25	22	26

Based on the information presented what can you infer about which type he should stock?

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:

S #	1	2	3	4	5	6	7
peas	51	50	49	50	51	50	48
carrots	49	50	51	50	51	51	49
green beans	51	51	50	50	52	50	51

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

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:

S #	1	2
Red	2	6
Green	2	2
Blue	4	6

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

Solve each problem.

1) In order to determine which type of sweets he should keep the most of in his shop a baker logged every 5th customers order. His findings are shown below:

Sample #	1	2	3	4	5
Cookies	41	42	39	42	40
Brownies	33	34	32	31	30
Cupcakes	24	22	25	22	26

Based on the information presented what can you infer about which type he should stock?

Based on the information presented he should keep more Cookies than Brownies or Cupcakes.

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:

S #	1	2	3	4	5	6	7
peas	51	50	49	50	51	50	48
carrots	49	50	51	50	51	51	49
green beans	51	51	50	50	52	50	51

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

Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about the types of cans donated.

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:

S #	1	2
Red	2	6
Green	2	2
Blue	4	6

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

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