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
Cookies	5	7
Brownies	5	6
Cupcakes	3	6

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

2) An animal control employee wanted to estimate how many people owned cats and how many owned dogs. To do this he polled the first few houses in several neighborhoods. His findings are shown below:

S #	1	2	3	4	5	6	7	8
Dog	40	40	44	44	41	44	40	40
Cat	52	48	50	49	51	48	49	50

Based on the information presented what can you infer about which type of pets there are?

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	3	4	5
Red	40	39	38	38	41
Green	42	41	38	42	42
Blue	42	39	39	39	40

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
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Cupcakes	3	6

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

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

2) An animal control employee wanted to estimate how many people owned cats and how many owned dogs. To do this he polled the first few houses in several neighborhoods. His findings are shown below:

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Dog	40	40	44	44	41	44	40	40
Cat	52	48	50	49	51	48	49	50

Based on the information presented what can you infer about which type of pets there are?

Based on the information presented 16% more {ITEMAs} were owned.

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	3	4	5
Red	40	39	38	38	41
Green	42	41	38	42	42
Blue	42	39	39	39	40

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

Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about the color customers liked.