Solve each problem.

1) 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	6	7
peas	48	50	48	49	50	49	49
carrots	36	31	31	32	33	31	33
green beans	41	44	43	42	44	40	40

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

_____

_____

_____

2) At the football game a vendor was trying to determine if Coke or Pepsi sold better. To do this he asked several rows of attendees which flavor they bought. His results are shown below:

S #	1	2	3	4	5	6	7
Coke	38	39	38	40	40	38	39
Pepsi	40	41	41	38	41	39	41

Based on the information presented what can you infer about the types of soda sold?

_____

_____

_____

3) 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
Dog	28	29	28	28	32	31
Cat	29	32	28	31	32	29

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

_____

_____

_____

Name: **Answer Key**

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green beans	41	44	43	42	44	40	40

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

Based on the information presented there will be more peas donated than carrots or green beans.

2) At the football game a vendor was trying to determine if Coke or Pepsi sold better. To do this he asked several rows of attendees which flavor they bought. His results are shown below:

S #	1	2	3	4	5	6	7
Coke	38	39	38	40	40	38	39
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Based on the information presented what can you infer about the types of soda sold?

Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about which type of soda sold better.

3) 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
Dog	28	29	28	28	32	31
Cat	29	32	28	31	32	29

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

Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about how many cats or dogs are owned.