

**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	30	31	32	30	30	31	32
carrots	30	32	28	30	31	29	31
green beans	32	32	29	31	31	31	32

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
Coke	2	5
Pepsi	6	2

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	7
Dog	50	50	53	51	51	51	52
Cat	60	60	58	60	58	62	61

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



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green beans	32	32	29	31	31	31	32

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.

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

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

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

Based on the information presented 14% more {ITEMAs} were owned.