

Solve each problem.

1) 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:

Sample #	1	2	3	4	5
Coke	62	59	62	60	58
Pepsi	52	54	53	54	53

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

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	8
peas	28	30	28	30	30	28	28	28
carrots	32	30	31	31	30	31	32	31
green beans	30	32	28	29	29	32	32	32

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

3) During a class election a teacher wanted to predict who would win. To do this she took a sample of students from each class and asked who they would vote for. The results are shown below:

S #	1	2	3	4	5	6	7	8
Candidate A	40	41	40	43	43	44	42	41
Candidate B	50	50	52	51	50	48	52	52

Based on the information presented can you infer anything about who will win the election?

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

Based on the information presented the sales of Coke will be 11% higher than Pepsi.

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carrots	32	30	31	31	30	31	32	31
green beans	30	32	28	29	29	32	32	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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Candidate A	40	41	40	43	43	44	42	41
Candidate B	50	50	52	51	50	48	52	52

Based on the information presented can you infer anything about who will win the election?

Based on the information presented Candidate B will have 17% more votes.