

**Solve each problem.**

- 1) 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:

Sample #	1	2	3	4	5	6
Candidate A	4	3	3	2	4	3
Candidate B	2	4	3	4	1	1

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

- 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
Coke	49	50	49	51	49
Pepsi	50	52	48	50	49

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

- 3) A store manager was trying to figure out how many people did their shopping online compared to doing it in stores. To do this she polled several houses in the nearby neighborhoods. The results are shown below:

S #	1	2	3	4	5	6	7	8
Online	30	33	33	33	34	31	33	32
In-Store	38	40	38	42	40	39	39	38

Based on the information presented can you infer anything about the number of people who did their shopping online vs. in-store?



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

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 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.

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Based on the information presented there will be 17% more people shopped In-Store.
