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	3	4	5
Cookies	6	3	5	6	5
Brownies	7	6	5	3	6
Cupcakes	3	5	6	3	6

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

2) 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	7
Candidate A	18	18	22	20	18	21	20
Candidate B	21	19	21	20	19	22	20

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

3) A car company was trying to figure out if more men or more women purchased yellow cars. To do this they polled all the customer who bought a yellow car in the last month. Their results are shown below:

Sample #	1	2	3	4	5	6	7	8
Men	51	54	50	50	50	51	53	51
Women	60	60	61	58	61	59	59	59

Based on the information presented what can you infer about who bought yellow cars?

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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	3	4	5
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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) 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	7
Candidate A	18	18	22	20	18	21	20
Candidate B	21	19	21	20	19	22	20

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

Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about who will win.

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Based on the information presented what can you infer about who bought yellow cars?

Based on the information presented 14% more Women bought yellow cars.