



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
Candidate A	2	6
Candidate B	6	6

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

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- 2) An ad agency was trying to determine if customers liked blue, green or red packaging better. To do this they took a sample of customers and polled them. The results are shown below:

Sample #	1	2	3	4	5	6
Red	54	52	52	53	52	50
Green	40	46	40	46	41	41
Blue	61	61	61	61	60	58

Based on the information presented can you infer anything about which color is liked the best?

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- 3) 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	6	7	8
Cookies	32	31	28	30	28	30	28	28
Brownies	32	30	31	31	29	30	28	28
Cupcakes	30	29	32	28	28	32	32	32

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

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Sample #	1	2
Candidate A	2	6
Candidate B	6	6

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.**

- 2) An ad agency was trying to determine if customers liked blue, green or red packaging better. To do this they took a sample of customers and polled them. The results are shown below:

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Based on the information presented can you infer anything about which color is liked the best?

**Based on the information presented more customers would prefer Blue than Red or Green.**

- 3) 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:

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

**Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about which sweets he should stock.**