



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	7	8
Candidate A	4	5	5	4	5	5	3	2
Candidate B	6	5	4	4	4	5	4	4

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

- 2) A pizzeria owner was trying to determine which types of meat he should stock the most of for his new store. To do this he asked several pizza eaters what their favorite toppings were. His results are shown below:

Sample #	1	2	3	4	5	6
Pepperoni	20	22	21	22	22	19
Sausage	21	20	18	22	19	18
Ham	20	18	20	22	19	22

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

- 3) 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	7
Red	20	22	24	21	21	24	22
Green	14	13	13	16	11	13	14
Blue	28	31	32	31	30	32	31

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



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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.

- 2) A pizzeria owner was trying to determine which types of meat he should stock the most of for his new store. To do this he asked several pizza eaters what their favorite toppings were. His results are shown below:

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Pepperoni	20	22	21	22	22	19
Sausage	21	20	18	22	19	18
Ham	20	18	20	22	19	22

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

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

- 3) 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.