



Solve each problem.

- 1) 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	1	4	4	3	1	5
Green	4	3	1	4	3	2
Blue	5	2	1	5	3	3

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

- 2) 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:

S #	1	2	3	4	5	6	7
Cookies	22	21	24	24	20	24	22
Brownies	14	11	10	13	11	13	14
Cupcakes	32	28	28	31	31	29	29

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

- 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:

S #	1	2	3	4	5
Men	29	28	29	30	28
Women	28	30	31	30	29

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



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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 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 which type he should stock?

Based on the information presented he should keep more Cupcakes than Cookies or Brownies.

- 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:

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

Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about who bought more yellow cars.