



Solve each problem.

- 1) 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	7	8
Pepperoni	41	42	41	39	41	42	39	41
Sausage	39	42	42	38	42	39	42	38
Ham	39	38	41	42	38	40	40	39

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

- 2) 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:

Sample #	1	2
Online	5	4
In-Store	2	2

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

- 3) In a library there was a donation box for books. A librarian wanted to estimate how many fiction and how many non-fiction books were in the box so she pulled out a sample. The results are shown below:

Sample #	1	2	3	4	5	6	7
Fiction	34	34	32	30	30	33	34
Non-Fiction	41	41	41	40	42	38	41

Based on the information presented can you infer anything about the types of books donated?



Solve each problem.

- 1) 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	7	8
Pepperoni	41	42	41	39	41	42	39	41
Sausage	39	42	42	38	42	39	42	38
Ham	39	38	41	42	38	40	40	39

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.

- 2) 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:

Sample #	1	2
Online	5	4
In-Store	2	2

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

Based on the information presented and the small samples gathered it is impossible to make any meaningful assumptions.

- 3) In a library there was a donation box for books. A librarian wanted to estimate how many fiction and how many non-fiction books were in the box so she pulled out a sample. The results are shown below:

Sample #	1	2	3	4	5	6	7
Fiction	34	34	32	30	30	33	34
Non-Fiction	41	41	41	40	42	38	41

Based on the information presented can you infer anything about the types of books donated?

Based on the information presented there will be 20% more Non-Fiction books donated.