Name:

Solve each problem.

1) A dentists was trying to determine if more boys or girls had cavities. He checked the visits from the last month and his results are shown below:

Sample #	1	2
Boys	6	6
Girls	5	4

Based on the information presented what can you infer about who had cavities?

_____

_____

_____

2) 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:

S #	1	2	3	4	5	6
Fiction	32	30	28	29	31	31
Non-Fiction	20	20	23	23	21	23

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

_____

_____

_____

3) 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:

S #	1	2	3	4	5	6
Online	30	30	28	29	31	31
In-Store	32	30	31	29	31	32

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

_____

_____

_____

Math

1-3 | 67 | 33 | 0

Name: **Answer Key**

Solve each problem.

1) A dentists was trying to determine if more boys or girls had cavities. He checked the visits from the last month and his results are shown below:

Sample #	1	2
Boys	6	6
Girls	5	4

Based on the information presented what can you infer about who had cavities?

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

2) 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:

S #	1	2	3	4	5	6
Fiction	32	30	28	29	31	31
Non-Fiction	20	20	23	23	21	23

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

Based on the information presented there will be 28% more Fiction books donated.

3) 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:

S #	1	2	3	4	5	6
Online	30	30	28	29	31	31
In-Store	32	30	31	29	31	32

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

Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about where people shop.

Math

1-3 | 67 | 33 | 0