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	3	4	5	6
Boys	42	42	44	43	44	44
Girls	49	52	51	49	49	51

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

_____

_____

_____

2) At the football game a vendor was trying to determine if Coke or Pepsi sold better. To do this he asked several rows of attendees which flavor they bought. His results are shown below:

Sample #	1	2	3	4	5	6	7
Coke	32	32	33	30	32	33	32
Pepsi	41	40	40	39	40	40	41

Based on the information presented what can you infer about the types of soda sold?

_____

_____

_____

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:

Sample #	1	2	3	4	5	6
Men	51	50	50	51	52	49
Women	49	50	50	48	48	52

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

_____

_____

_____

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	3	4	5	6
Boys	42	42	44	43	44	44
Girls	49	52	51	49	49	51

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

Based on the information presented more Girls had cavities.

2) At the football game a vendor was trying to determine if Coke or Pepsi sold better. To do this he asked several rows of attendees which flavor they bought. His results are shown below:

Sample #	1	2	3	4	5	6	7
Coke	32	32	33	30	32	33	32
Pepsi	41	40	40	39	40	40	41

Based on the information presented what can you infer about the types of soda sold?

Based on the information presented the sales of Pepsi will be 20% higher than Coke.

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:

Sample #	1	2	3	4	5	6
Men	51	50	50	51	52	49
Women	49	50	50	48	48	52

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.