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	7	8
Boys	40	41	40	38	38	38	39	39
Girls	40	38	40	38	38	39	38	42

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

_____

_____

_____

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:

S #	1	2	3	4	5	6
Pepperoni	40	38	38	42	38	41
Sausage	30	30	34	34	32	31
Ham	25	26	24	26	20	26

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

_____

_____

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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:

S #	1	2	3	4	5	6
Red	7	3	7	3	4	4
Green	4	7	7	4	3	5
Blue	6	3	5	6	5	5

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

_____

_____

_____

Name:

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Sample #	1	2	3	4	5	6	7	8
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Girls	40	38	40	38	38	39	38	42

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

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

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:

S #	1	2	3	4	5	6
Pepperoni	40	38	38	42	38	41
Sausage	30	30	34	34	32	31
Ham	25	26	24	26	20	26

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

Based on the information presented he should stock more Pepperoni than Sausage or Ham.

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:

S #	1	2	3	4	5	6
Red	7	3	7	3	4	4
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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.