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	4	5	4	2	2	2	3	3
Girls	4	2	4	2	2	3	2	6

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?

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	52	48	52	48	49	49
Green	49	52	52	49	48	50
Blue	51	48	50	51	50	50

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

Solve each problem.

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Sample #	1	2	3	4	5	6	7	8
Boys	4	5	4	2	2	2	3	3
Girls	4	2	4	2	2	3	2	6

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) 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	52	48	52	48	49	49
Green	49	52	52	49	48	50
Blue	51	48	50	51	50	50

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

Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about the color customers liked.