Solve each problem.

1) 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:

Sample #	1	2	3	4	5	6	7
Red	28	31	31	28	31	30	32
Green	29	30	28	31	29	31	29
Blue	30	29	28	32	30	28	32

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

_____

_____

_____

2) A carpenter has accumulated a large collection of nails, screws and bolts, which he had randomly thrown together into a bucket. Later he wanted to estimate how many of each he had. To do this he grabbed a handful from the bucket. His results are shown below.

S #	1	2
nails	4	6
screws	5	4
bolts	4	7

Based on the information presented can you infer anything about the relationship between the number of nails,screws and bolts in the bucket?

_____

_____

3) 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:

S #	1	2	3	4	5	6
Coke	4	6	5	5	5	5
Pepsi	5	4	3	3	6	5

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

_____

_____

_____

Name:

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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.

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Based on the information presented can you infer anything about the relationship between the number of nails,screws and bolts in the bucket?

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

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