

**Solve each problem.**

- 1) 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
Coke	54	54	50	51	50
Pepsi	60	58	59	62	58

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

- 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:

Sample #	1	2	3	4	5	6
Pepperoni	41	39	41	41	42	38
Sausage	38	42	41	39	41	38
Ham	39	42	42	42	38	41

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

- 3) In a lake there are 3 types of fish: minnows, goldfish and sunfish. A fisherman wanted to estimate how many of each type there were. He scooped up several nets full and recorded his results (shown below).

Sample #	1	2
minnows	6	2
goldfish	3	3
sunfish	4	6

Based on the information presented can you infer anything about the number of different types of fish in the lake?



Solve each problem.

- 1) 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
Coke	54	54	50	51	50
Pepsi	60	58	59	62	58

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 12% higher than Coke.

- 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:

Sample #	1	2	3	4	5	6
Pepperoni	41	39	41	41	42	38
Sausage	38	42	41	39	41	38
Ham	39	42	42	42	38	41

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

Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about which type of meat he should stock the most of.

- 3) In a lake there are 3 types of fish: minnows, goldfish and sunfish. A fisherman wanted to estimate how many of each type there were. He scooped up several nets full and recorded his results (shown below).

Sample #	1	2
minnows	6	2
goldfish	3	3
sunfish	4	6

Based on the information presented can you infer anything about the number of different types of fish in the lake?

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