

**Solve each problem.**

- 1) For a canned food drive there were 3 types of cans vegetables donated: peas, carrots and green beans. To estimate how many of each type were donated, you pull out a sample. The results are shown below:

Sample #	1	2
peas	4	5
carrots	2	1
green beans	3	5

Based on the information presented can you infer anything about the types of cans donated?

- 2) 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).

S #	1	2	3	4	5	6	7
minnows	51	52	49	52	48	51	49
goldfish	52	50	49	51	51	52	48
sunfish	50	49	50	52	48	49	50

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

- 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	7
Coke	18	22	19	18	20	19	18
Pepsi	21	21	20	20	21	20	18

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



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Sample #	1	2
peas	4	5
carrots	2	1
green beans	3	5

Based on the information presented can you infer anything about the types of cans donated?

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

- 2) 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).

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goldfish	52	50	49	51	51	52	48
sunfish	50	49	50	52	48	49	50

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

Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about the types of fish.

- 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	7
Coke	18	22	19	18	20	19	18
Pepsi	21	21	20	20	21	20	18

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

Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about which type of soda sold better.
