Solve each problem.

1) 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	7	8
Pepperoni	31	28	29	30	28	29	32	31
Sausage	31	30	29	30	28	30	29	30
Ham	31	28	32	32	30	31	30	30

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

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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
minnows	18	21	22	21	21	20
goldfish	18	22	20	18	22	19
sunfish	20	19	22	22	18	20

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

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3) An animal control employee wanted to estimate how many people owned cats and how many owned dogs. To do this he polled the first few houses in several neighborhoods. His findings are shown below:

S #	1	2	3	4	5	6
Dog	2	1	4	0	3	2
Cat	2	3	1	1	4	3

Based on the information presented what can you infer about which type of pets there are?

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Solve each problem.

1) 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	7	8
Pepperoni	31	28	29	30	28	29	32	31
Sausage	31	30	29	30	28	30	29	30
Ham	31	28	32	32	30	31	30	30

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.

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
minnows	18	21	22	21	21	20
goldfish	18	22	20	18	22	19
sunfish	20	19	22	22	18	20

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) An animal control employee wanted to estimate how many people owned cats and how many owned dogs. To do this he polled the first few houses in several neighborhoods. His findings are shown below:

S #	1	2	3	4	5	6
Dog	2	1	4	0	3	2
Cat	2	3	1	1	4	3

Based on the information presented what can you infer about which type of pets there are?

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