Solve each problem.

1) 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	3	4	5	6	7	8
minnows	2	0	4	2	4	2	4	4
goldfish	3	2	2	3	1	3	0	0
sunfish	1	2	2	3	3	0	2	0

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

2) In order to determine which type of sweets he should keep the most of in his shop a baker logged every 5th customers order. His findings are shown below:

S #	1	2	3	4	5	6
Cookies	41	42	41	46	44	41
Brownies	54	51	54	52	53	52
Cupcakes	61	62	61	61	60	60

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

3) 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:

S #	1	2	3	4	5	6	7
peas	52	51	53	51	51	50	51
carrots	59	59	60	59	60	62	58
green beans	42	43	45	40	42	45	40

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

Solve each problem.

1) 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	3	4	5	6	7	8
minnows	2	0	4	2	4	2	4	4
goldfish	3	2	2	3	1	3	0	0
sunfish	1	2	2	3	3	0	2	0

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.

2) In order to determine which type of sweets he should keep the most of in his shop a baker logged every 5th customers order. His findings are shown below:

S #	1	2	3	4	5	6
Cookies	41	42	41	46	44	41
Brownies	54	51	54	52	53	52
Cupcakes	61	62	61	61	60	60

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

Based on the information presented he should keep more Cupcakes than Cookies or Brownies.

3) 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:

S #	1	2	3	4	5	6	7
peas	52	51	53	51	51	50	51
carrots	59	59	60	59	60	62	58
green beans	42	43	45	40	42	45	40

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

Based on the information presented there will be more carrots donated than peas or green beans.