Name:

Solve each problem.

1) A car company was trying to figure out if more men or more women purchased yellow cars. To do this they polled all the customer who bought a yellow car in the last month. Their results are shown below:

Sample #	1	2	3	4	5	6	7	8
Men	18	21	21	21	19	22	21	22
Women	20	18	20	21	22	18	21	21

Based on the information presented what can you infer about who bought yellow cars?

_____

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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
minnows	5	4
goldfish	5	2
sunfish	6	2

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

_____

_____

_____

3) 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	7
Cookies	35	35	31	31	31	32	31
Brownies	51	52	52	52	51	51	49
Cupcakes	44	43	40	41	40	42	40

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

_____

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1-3 | 67 | 33 | 0

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Sample #	1	2	3	4	5	6	7	8
Men	18	21	21	21	19	22	21	22
Women	20	18	20	21	22	18	21	21

Based on the information presented what can you infer about who bought yellow cars?

Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about who bought more yellow cars.

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
minnows	5	4
goldfish	5	2
sunfish	6	2

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.

3) 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:

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Cupcakes	44	43	40	41	40	42	40

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

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