



Solve each problem.

- 1) 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:

Sample #	1	2	3	4	5	6	7
Cookies	33	33	31	34	33	34	30
Brownies	24	22	22	23	22	21	25
Cupcakes	38	41	40	41	42	42	39

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

- 2) 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
Dog	3	6
Cat	2	2

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

- 3) A carpenter has accumulated a large collection of nails, screws and bolts, which he had randomly thrown together into a bucket. Later he wanted to estimate how many of each he had. To do this he grabbed a handful from the bucket. His results are shown below.

S #	1	2	3	4	5	6
nails	32	30	32	28	28	32
screws	28	30	32	28	28	30
bolts	31	30	29	32	29	30

Based on the information presented can you infer anything about the relationship between the number of nails,screws and bolts in the bucket?



Solve each problem.

- 1) 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:

Sample #	1	2	3	4	5	6	7
Cookies	33	33	31	34	33	34	30
Brownies	24	22	22	23	22	21	25
Cupcakes	38	41	40	41	42	42	39

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.

- 2) 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
Dog	3	6
Cat	2	2

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.

- 3) A carpenter has accumulated a large collection of nails, screws and bolts, which he had randomly thrown together into a bucket. Later he wanted to estimate how many of each he had. To do this he grabbed a handful from the bucket. His results are shown below.

S #	1	2	3	4	5	6
nails	32	30	32	28	28	32
screws	28	30	32	28	28	30
bolts	31	30	29	32	29	30

Based on the information presented can you infer anything about the relationship between the number of nails,screws and bolts in the bucket?

Because of the very small discrepancy in the quantities it is unlikely any deduction can be made about the number of nails,screws or bolts in the bucket.