



Solve each problem.

- 1) A dentist was trying to determine if more boys or girls had cavities. He checked the visits from the last month and his results are shown below:

Sample #	1	2	3	4	5	6
Boys	58	62	58	61	58	59
Girls	51	52	50	54	53	52

Based on the information presented what can you infer about who had cavities?

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

S #	1	2	3	4	5
Cookies	44	42	44	43	40
Brownies	51	49	52	49	49
Cupcakes	36	33	30	34	36

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

- 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	7	8
Dog	6	3	7	5	5	6	4	6
Cat	3	6	4	4	6	6	7	7

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



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Girls	51	52	50	54	53	52

Based on the information presented what can you infer about who had cavities?

Based on the information presented more Boys had cavities.

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

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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.

- 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:

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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.
