



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  |
|----------|----|----|----|----|----|
| Cookies  | 51 | 52 | 51 | 52 | 53 |
| Brownies | 41 | 42 | 44 | 41 | 43 |
| Cupcakes | 62 | 61 | 60 | 62 | 62 |

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

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- 2) At the football game a vendor was trying to determine if Coke or Pepsi sold better. To do this he asked several rows of attendees which flavor they bought. His results are shown below:

| S #   | 1 | 2 |
|-------|---|---|
| Coke  | 4 | 5 |
| Pepsi | 5 | 2 |

Based on the information presented what can you infer about the types of soda sold?

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- 3) A dentists 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:

| S #   | 1  | 2  | 3  | 4  | 5  | 6  |
|-------|----|----|----|----|----|----|
| Boys  | 51 | 49 | 51 | 50 | 48 | 51 |
| Girls | 40 | 41 | 44 | 44 | 43 | 40 |

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

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- 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  |
|----------|----|----|----|----|----|
| Cookies  | 51 | 52 | 51 | 52 | 53 |
| Brownies | 41 | 42 | 44 | 41 | 43 |
| Cupcakes | 62 | 61 | 60 | 62 | 62 |

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) At the football game a vendor was trying to determine if Coke or Pepsi sold better. To do this he asked several rows of attendees which flavor they bought. His results are shown below:

| S #   | 1 | 2 |
|-------|---|---|
| Coke  | 4 | 5 |
| Pepsi | 5 | 2 |

Based on the information presented what can you infer about the types of soda sold?

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

- 3) A dentists 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:

| S #   | 1  | 2  | 3  | 4  | 5  | 6  |
|-------|----|----|----|----|----|----|
| Boys  | 51 | 49 | 51 | 50 | 48 | 51 |
| Girls | 40 | 41 | 44 | 44 | 43 | 40 |

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

**Based on the information presented more Boys had cavities.**