

**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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Sample #	1	2	3	4	5
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Brownies	41	42	44	41	43
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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 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:

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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.**