

## UNDERSTANDING DATA

## ANSWERS

Baker Smith had a free all you can eat cookie party to celebrate the opening of the new city swimming pool. Baker Smith wanted to know if the party was a success so he asked everyone how many cookies did they eat. The results of his survey are in the chart below.

### NUMBER OF COOKIES EATEN

12	1	10	3	5	7	1	4	8	2	15	1	3	5
8	13	7	1	8	1	6	2	11	4	6	12	6	8
5	9	2	4	3	14	8	6	1	3	7	11	2	10
1	6	10	1	9	13	4	3	5	2	1	5	6	2
1	12	8	2	14	10	2	7	1	9	4	1	13	5

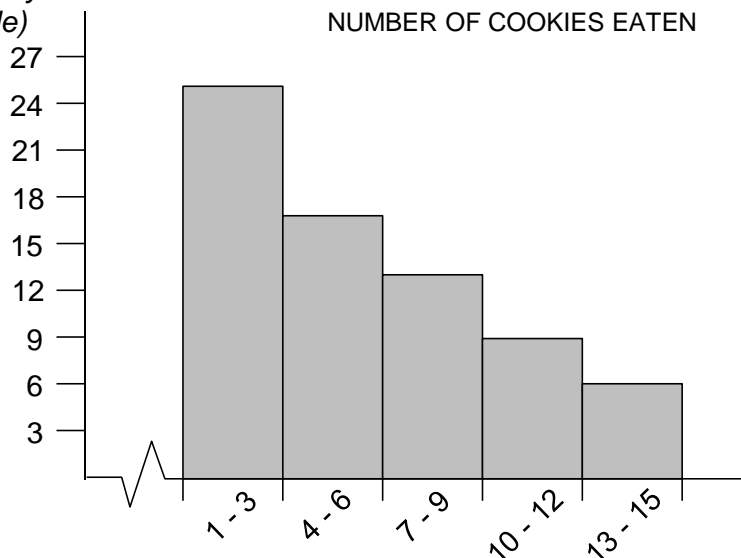
Create a frequency chart to organize the data. Start with 1 and use intervals of three to group the data.

NUMBER OF COOKIES EATEN		
DOLLARS	Tally	Frequency
1-3		25
4-6		17
7-9		13
10-12		9
13-15		6
TOTAL: 70 People		

Create a histogram below to better understand the data. Make sure you label the x-axis and y-axis.

The x-axis should be the number of cookies eaten and the y-axis should be the frequency.

Frequency  
(People)



Use the table and graph to answer the questions below.

A. Would you buy Baker Smith's cookies? WHY?

Answers will vary, but need to explain answer.

B. Do you think this is a good survey to use to determine if the party was a success? WHY?