

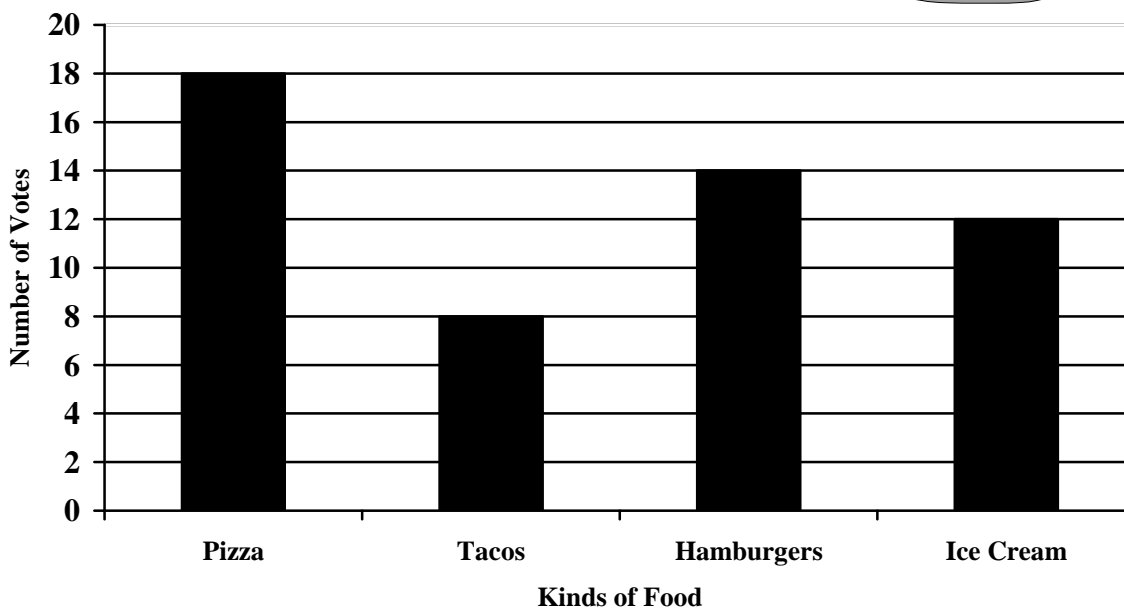
6.3.02 Collect, organize and display real life data and construct tables, bar graphs with a variety of intervals, pictographs with symbols representing numbers greater than 1.

Level II

Use the table to complete the following graph.



FOOD FAVORITES



Scoring Tool:

1 Point – Correct display of all data.

0 Points – Incorrect response.

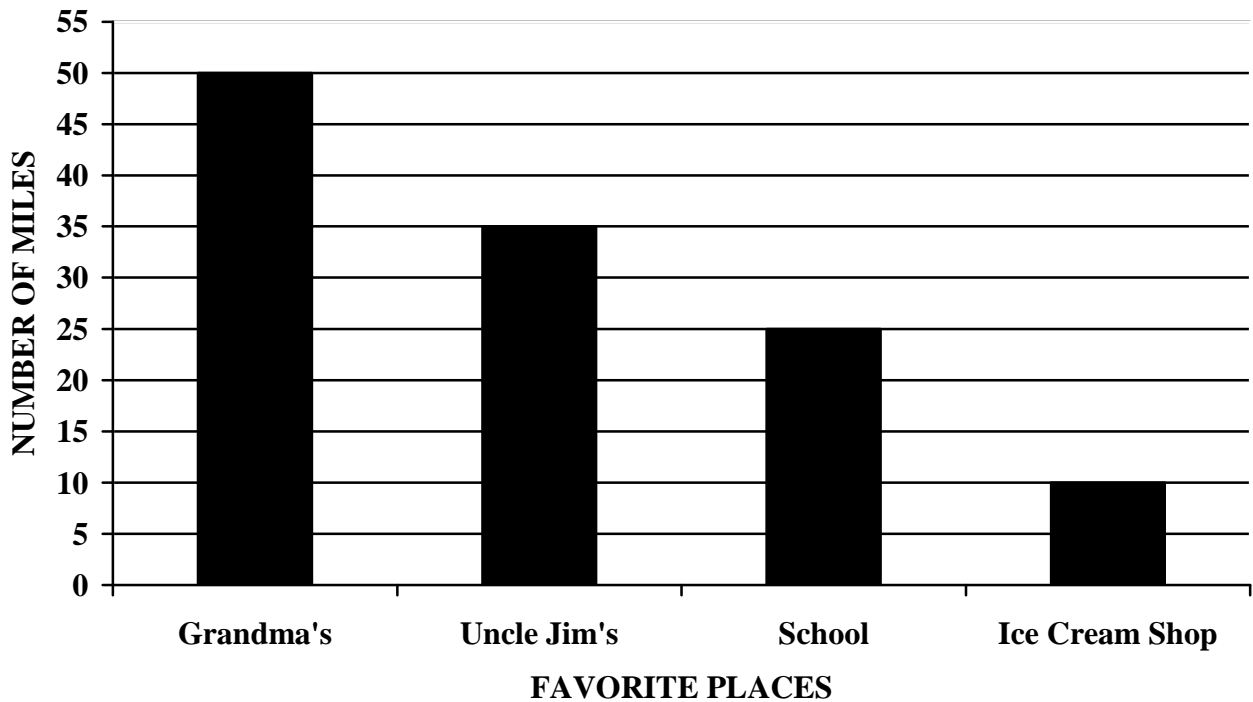
6.3.02 Collect, organize and display real life data and construct tables, bar graphs with a variety of intervals, pictographs with symbols representing numbers greater than 1.

Level II

Use the table to complete the following bar graph.



Distances from Joey's House to his Favorite Places



Scoring Tool:

2 Points –

- Correct scale.
- Correct display of data.

1 Point – Correct scale.

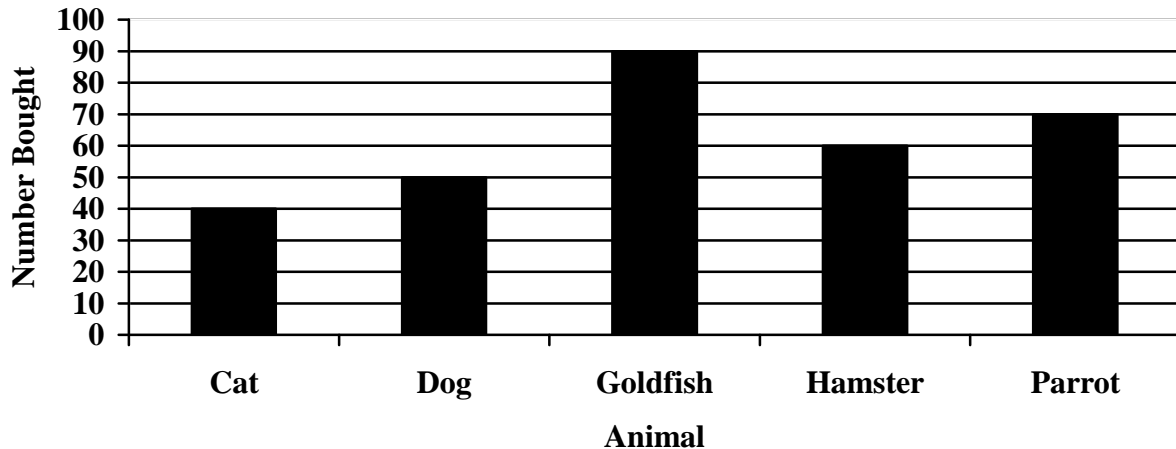
0 Points – Incorrect response.

6.3.02 Collect, organize and display real life data and construct tables, bar graphs with a variety of intervals, pictographs with symbols representing numbers greater than 1.

Level III

a. Use the table to make a bar graph.

Animals Bought last Year at Ann's Animal House



Scoring Tool part a:

- 3 Points – Complete and accurate bar graph with title/labels, scale and correct placement of data.
- 2 Points – Mostly complete and accurate bar graph with two of these elements correct: title/labels, scale and correct placement of data.
- 1 Point – Partial – at least one element correct.
- 0 Points – Incorrect response.

b. Explain how you determined the intervals for your y-axis.

I made my intervals 10 since all the numbers were tens or multiples of 10.

OR

I made my intervals 10 since I could skip count by tens.

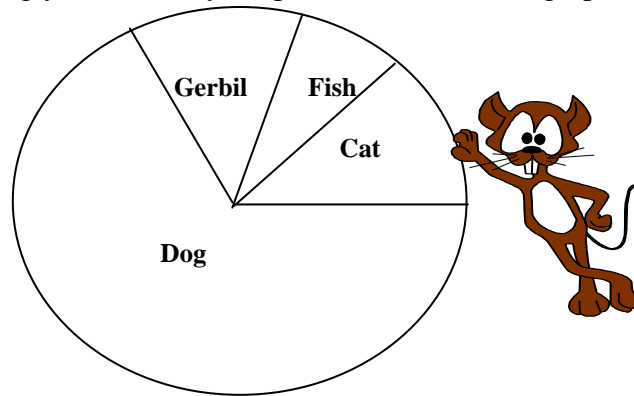
Scoring Tool part b:

- 2 Points – Complete explanation contains use of all appropriate mathematics terms and clearly describes how the intervals were determined. The use of multiples of ten or skip count is included.
- 1 Point – Partial explanation contains some math terms and a partial description of how intervals were determined.
- 0 Points – Incorrect response.

6.3.02 Collect, organize and display real life data and construct tables, bar graphs with a variety of intervals, pictographs with symbols representing numbers greater than 1.

Level IV

- a. Spin the spinner thirty times recording your data as you spin. Construct a bar graph using the data you have collected.



Scoring Tool part a:

- 4 Points – The response includes appropriate and accurate representation that shows how the data was recorded and a bar graph with title/labels, scale and correct placement of data.
- 3 Points – The response includes the appropriate and accurate representation that shows how the data was recorded and a bar graph with two of these elements: title/labels, scale and correct placement of data.
- 2 Points – The response included appropriate and accurate representation that shows how the data was recorded and a bar graph with one element correct.
- 1 Point – The response includes appropriate and accurate representation that shows how the data was collected.
- 0 Points – Incorrect response.

- b. Write two conclusions about the spinner based on the bar graph you have constructed.

If I spin the spinner 90 times most spins will stop on dog because dog is the largest part of the circle and the bar will be the largest. Cats and gerbils are about the same size, because they are the same the spinner will stop about the same number of times and their bars will be equal. Since Fish is the smallest part of the circle, the spinner will stop the fewest times and the bars will be the smallest. The bars on my graph will be three times bigger because I will spin ninety times. $30 + 30 + 30 = 90$ or $3 \times 30 = 90$

Scoring Tool part b:

- 3 Points – Complete explanation includes:
- Use of appropriate math terms.
 - Clearly states the data will increase by a multiple of 3.
 - Indicates the bars will be in the same relationships as with 30 spins.
- 2 Points – Mostly complete explanation includes two elements complete.
- 1 Point – Partial explanation includes either data will be three times or the relationship will be the same.
- 0 Points – Incorrect response.