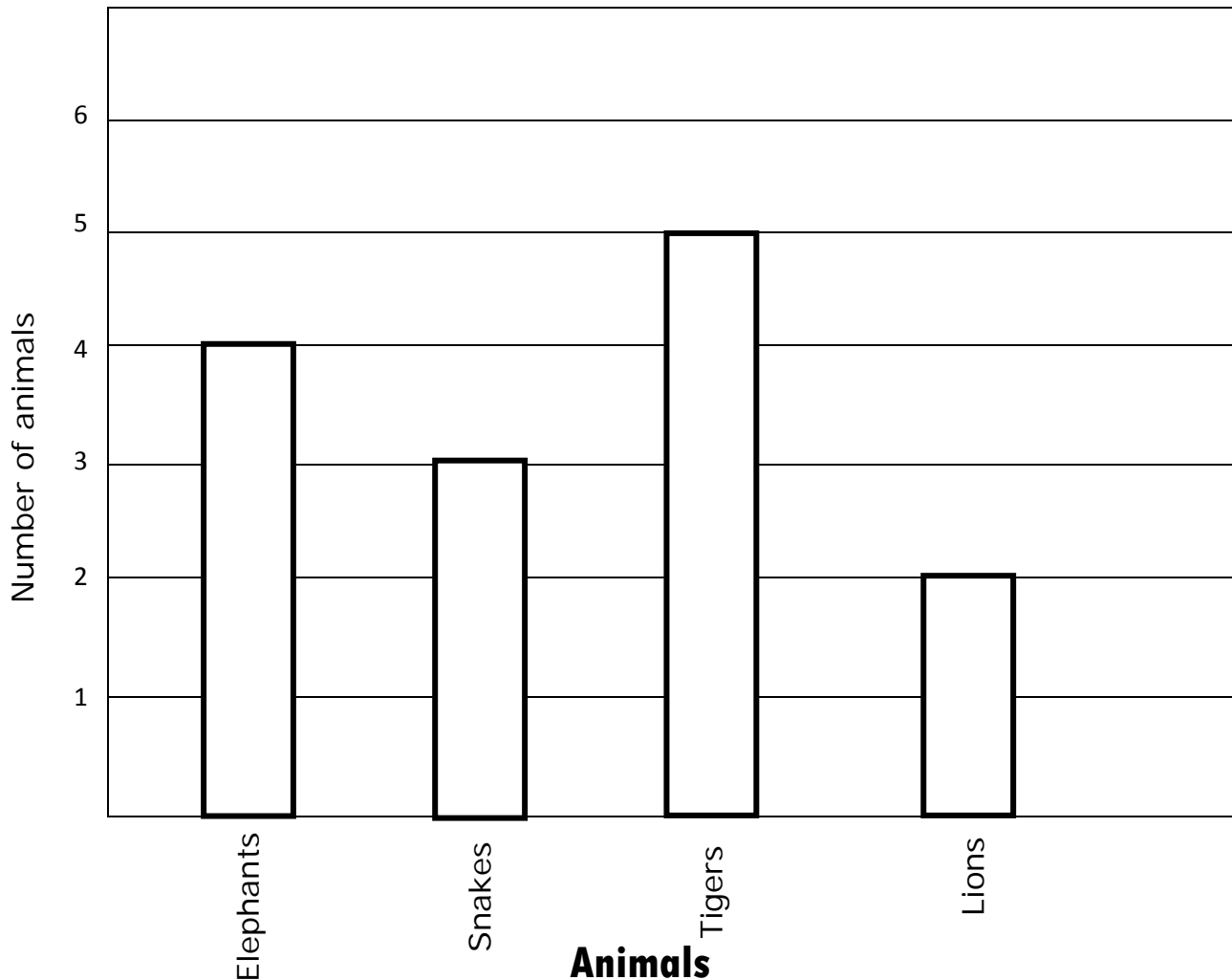


**Graphs to represent a data set - Guided Lesson Explanations****Explanation: 1**

Draw a bar graph by labeling the bottom the names of all the animals. Label the left side, the numbers of animals present. Draw the length of the bars to match the number of animals that there were for each animal.



After observing the graph we can answer the questions:

A) The bar representing tigers is the longest, so he saw more tigers than elephants.

B) The bar representing lions is the smallest, so lion were the least in number.

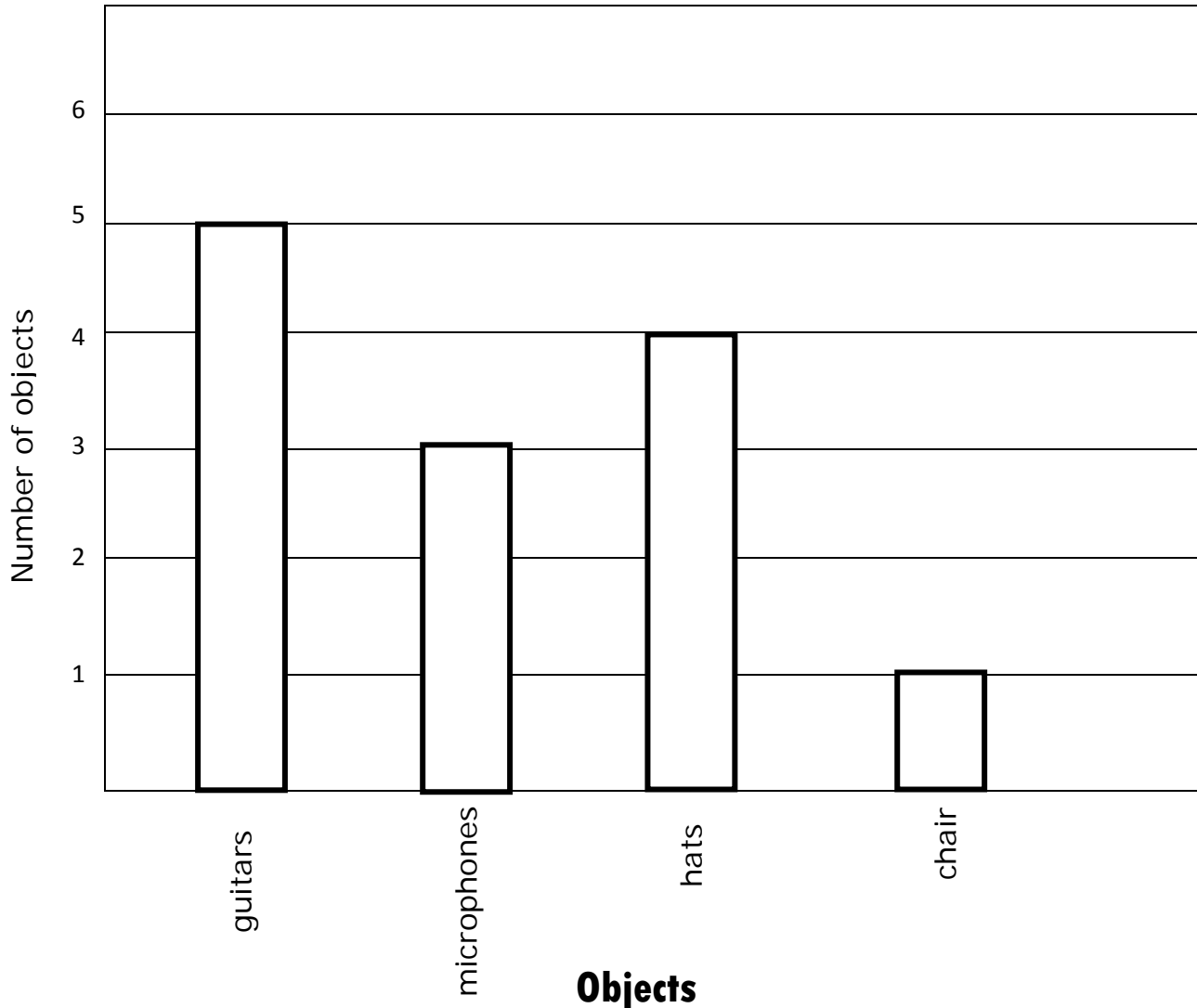
C) The total numbers of animals can be calculated by adding all the animals  
(4 + 3 + 5 + 2) = 14 animals



**Explanation: 2**

Step 1) Label your graph. The bottom should be the names of objects. The left side should be labeled to show it is the number of objects.

Step 2) Draw your bars. The bars for each object should be the height of the number of objects.



- A) The graph representing microphones shows that there are 3 microphones.
- B) After observing graphs of all objects, it can be seen that graph representing chair(s) is the smallest. So there are the least number of chairs.
- C) Total numbers of hats and chairs can be calculated by adding both  
 $(4 + 1) = 5$



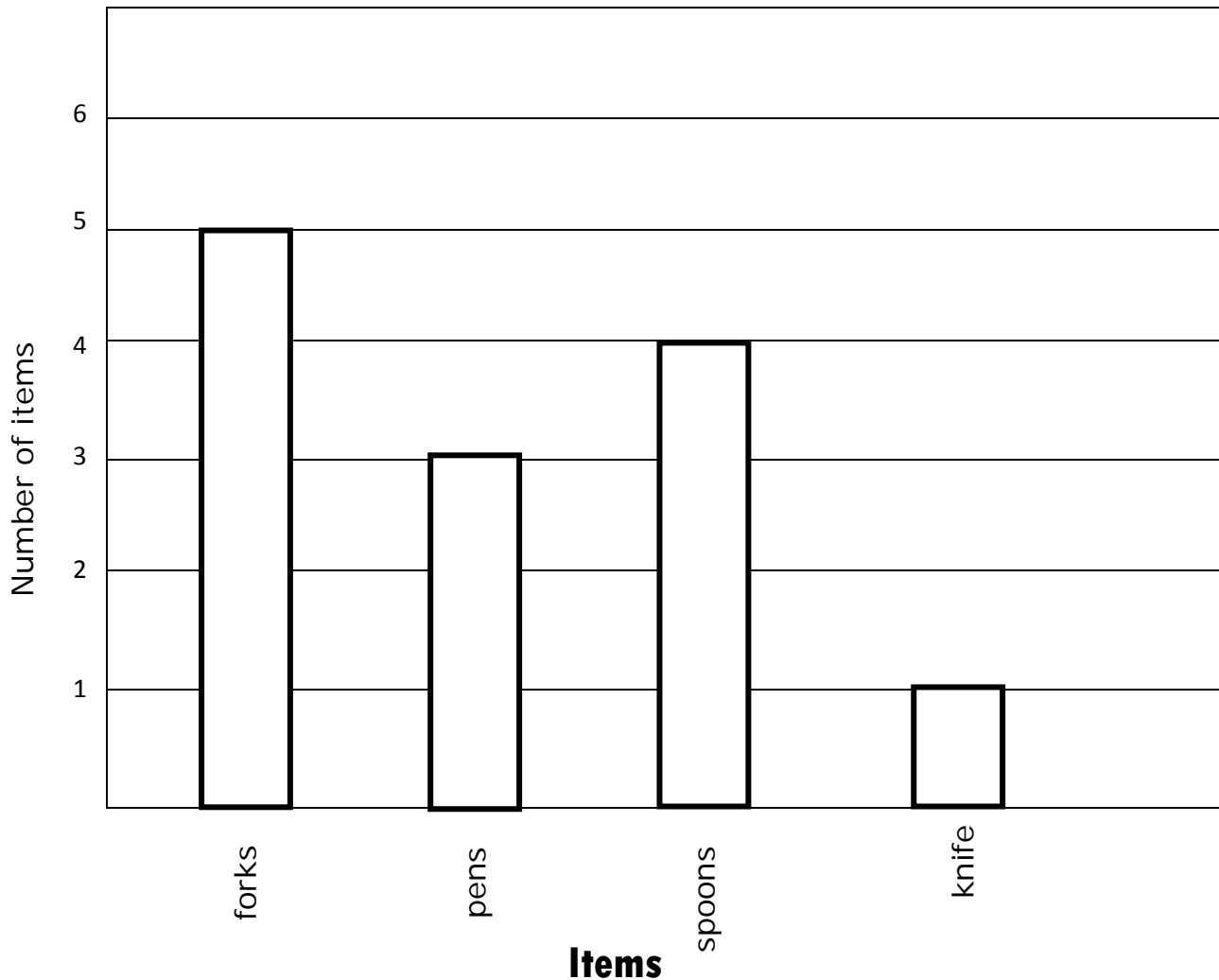
Name \_\_\_\_\_

Date \_\_\_\_\_

### Explanation: 3

Step 1) Label the graph. Item names should be on the bottom. "Number of items" should be on the left hand side.

Step 2) Draw bars for every item. It should be the length of the number of items you had.



After observing the graph we can answer the questions.

A) Analyze the bar representing pens and forks, forks are 2 more than pens.

B) The total number of forks and spoons can be found by adding both of them:

$$(5 + 4) = 9$$

C) The graph shows that spoons (4) and forks (5) are more than 3.

