

# Animal Math

## Activity 3 - Pet Pictograph



### Activity Instructions:

#### Part A - Survey

First, you need to survey about 15 people (friends or relatives) and find out what kinds of pets they have and how many of each kind.

Keep track of your findings by organizing the results into a chart like the one below:

People Surveyed	Cats	Dogs	Fish	Rodents	Birds
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
<b>Total Number of Each Pet</b>					

*Find the total numbers for each type of pet and record them in the table*

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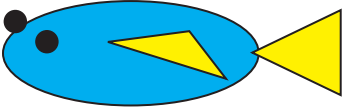
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Can you believe THIS is math?

# Animal Math

## Activity 3 - Pet Pictograph - *continued*

### Part B: Making a Graph



In order to draw a pictograph you first need to create your legend. The legend is a set of symbols used to describe your data. Since it is a pictograph we will use pictures to describe the data. You need to draw symbols for cat, dog, fish, rodent and bird. Try to draw something fairly simple so that you can easily redraw it again. For example, a fish can be represented by an easy drawing like the one to the left. Draw your pictures to represent each pet. Use coloured pencils to make the symbols. When you have decided on your symbols, using a pencil and ruler, prepare a pictogram on a piece of paper as shown below.

### Pet Pictograph



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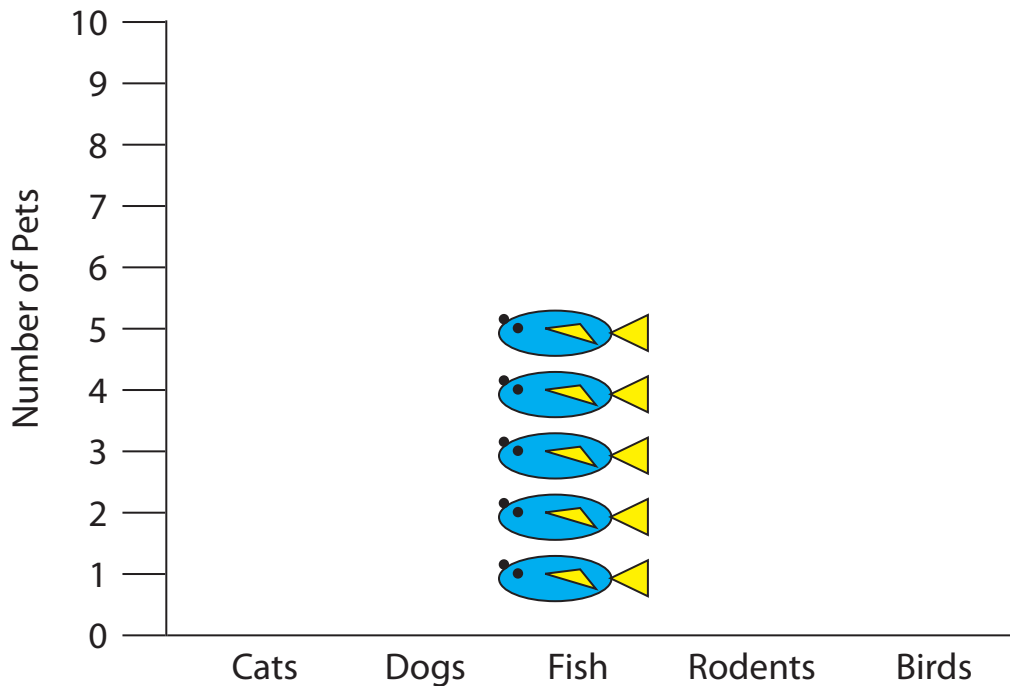
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## Activity 3 - Pet Pictograph - *continued*

Use the total numbers for each kind of pet (last row in your table in Part A) in order to create the graph. For each type of pet, draw the number of symbols to equal the total number of pets. For example, if you have 5 fish as the total, on your graph show this by drawing 5 fish in a stacked column:

### Pet Pictograph



*Using the rest of your symbols, you can now complete your graph*

### Activity Questions:

1. What was the most popular pet, according to your survey?
2. Which pet was least popular?
3. What was the difference between the most popular and least popular pet?
4. Which pet was the second most popular according to your survey?
5. Find the difference between the most popular and the second most popular pet.

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