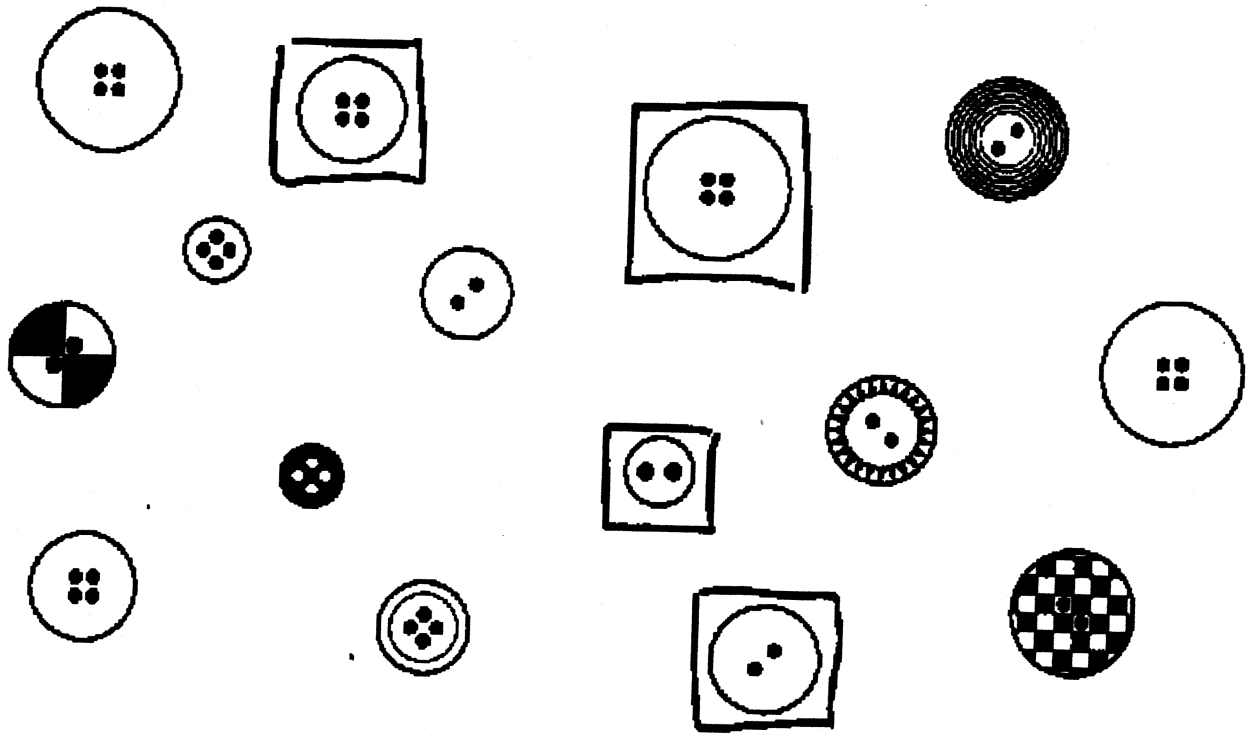


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Name \_\_\_\_\_ Date \_\_\_\_\_

End-of Unit Assessment – Survey Questions and Secret Rules (Sorting and Categorizing Attributes – 1 Group)

Task 1A. Let's play "Guess My Rule with Buttons." All the buttons inside the boxes are the same in some way. Draw boxes around all the other buttons that match my rule.



1B. What is my rule?

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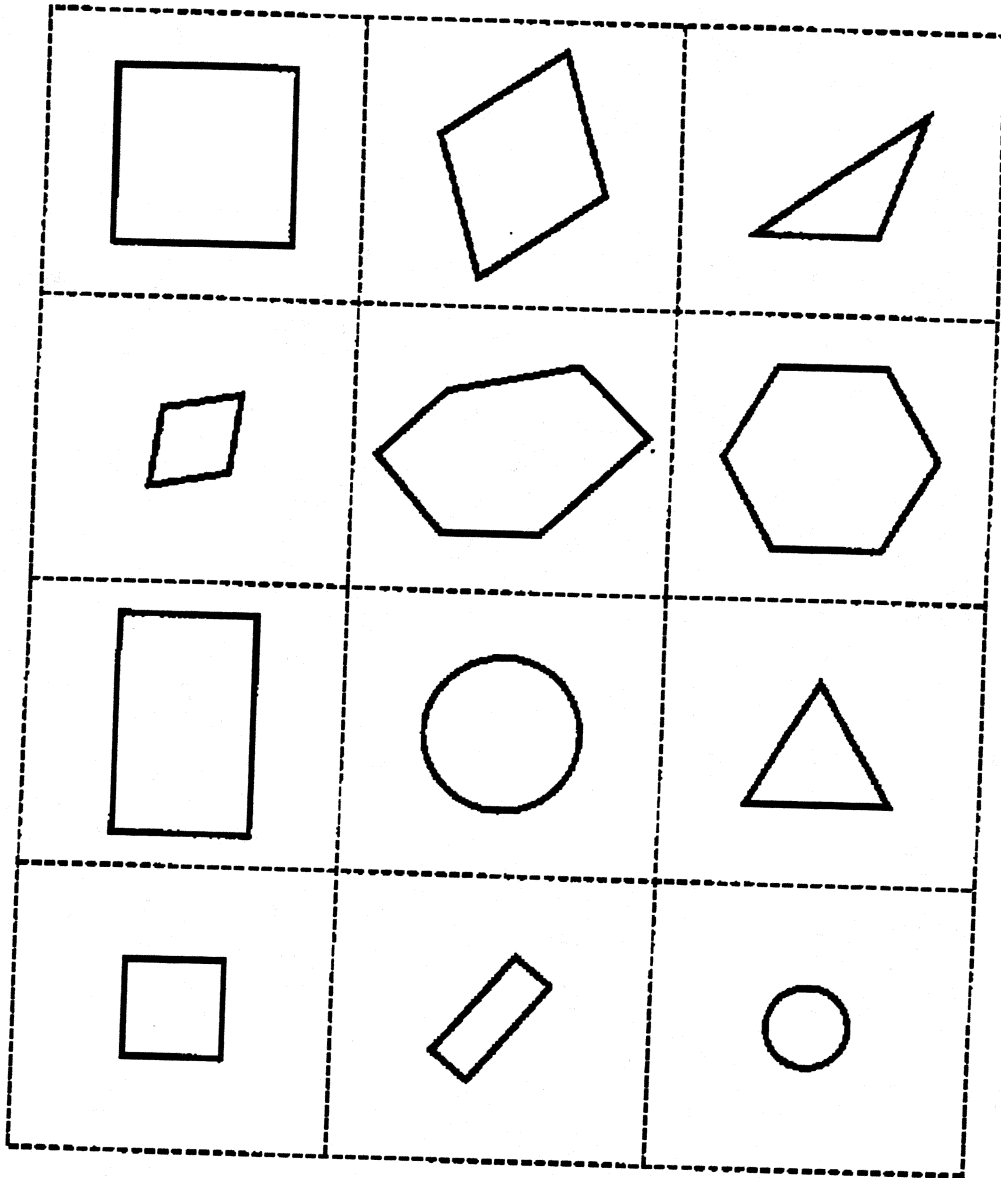
Name \_\_\_\_\_

Date \_\_\_\_\_

**End-of Unit Assessment – Survey Questions and Secret Rules (Sorting and Categorizing Attributes - 2 groups)**

**Task 2.** Cut out the shape cards on the next page. Sort the shapes into two groups. Glue the two groups on this page. Label each group.

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Name \_\_\_\_\_

Date \_\_\_\_\_

## End-of Unit Assessment – Survey Questions and Secret Rules (Organizing, Representing and Interpreting Data)

Task 3A. This survey was done with a class of first graders. Make a representation for the data on a separate sheet using tally marks.

**Survey question:**  
Would you rather eat ice cream in a **cone** or in a **cup**?

Alan 	Shong 	Paul 	Pamela 
Sara 	Masahiro 	Joan 	Susan 
Sean 	Linda 	Keri 	Kindra 
Janet 	John 	Scott 	Yuri 
Mark 	Niki 	Allysa 	

Task 3B. Tell a story about your representation. What did you learn from it?

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**End-of Unit Assessment –Survey Questions and Secret Rules (Organizing, Representing and Interpreting Data)**

Task 4A. This survey was done with a class of first graders. Make a representation for the data on a separate sheet using a bar graph.

**Survey question:**

Would you rather own a dog or a cat?

Bill	C	Kim	D	Pam	D
Bob	C	Pat	C	Mark	D
Tom	D	Jen	D	Scott	C
Tim	C	Ron	D	Ann	D
Jan	C	Sam	D	Beth	D

Task 4B.

How many children like cats? \_\_\_\_\_

How many children like dogs? \_\_\_\_\_

Which animal was chosen the most? \_\_\_\_\_

How many more? \_\_\_\_\_

How many children chose dogs and cats altogether? \_\_\_\_\_



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**Math Problem-Solving: Survey Questions and Secret Rules – Sorting and Categorizing  
Attributes (1 group)**

<b>Category</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Identifies attribute to sort by</b>	Incorrect response			Accurate response
<b>Accurately groups by given rule</b>	Less than 3 out of 5 correct	3 out of 5 correct	4 out of 5 correct	All correct

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**Math Problem-Solving: Survey Questions and Secret Rules – Sorting and Categorizing  
Attributes (2 groups)**

<b>Category</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Chooses a category and correctly sorts objects</b>		Accurately sorts into more than two groups		Accurately sorts into 2 groups
<b>Identifies a single attribute to sort by</b>		Sorts by multiple attributes		Sorts by one attribute (ex. 4 sides, not 4 sides)
<b>Applies rule (category) to all shapes</b>	Applies the rule to less than 7 shapes	Applies the rule to 7-8 shapes	Applies the rule to 9-10 shapes	Applies the rule to 11-12 shapes
<b>Labels reflect how shapes are grouped</b>	Attempt to label the groups	Correctly labels one group		Correctly labels both groups

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**Math Problem-Solving: Survey Questions and Secret Rules – Organizing, Representing  
and Interpreting Data**

<b>Category</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Accuracy</b>	Incorrect response	1 category correct		Both categories correct
<b>Story about representation</b>	Explanation unclear	Attempts to organize story but is not able to summarize	Summarizes the data but does not draw any conclusions	Draws conclusions based on data and is clearly stated and organized

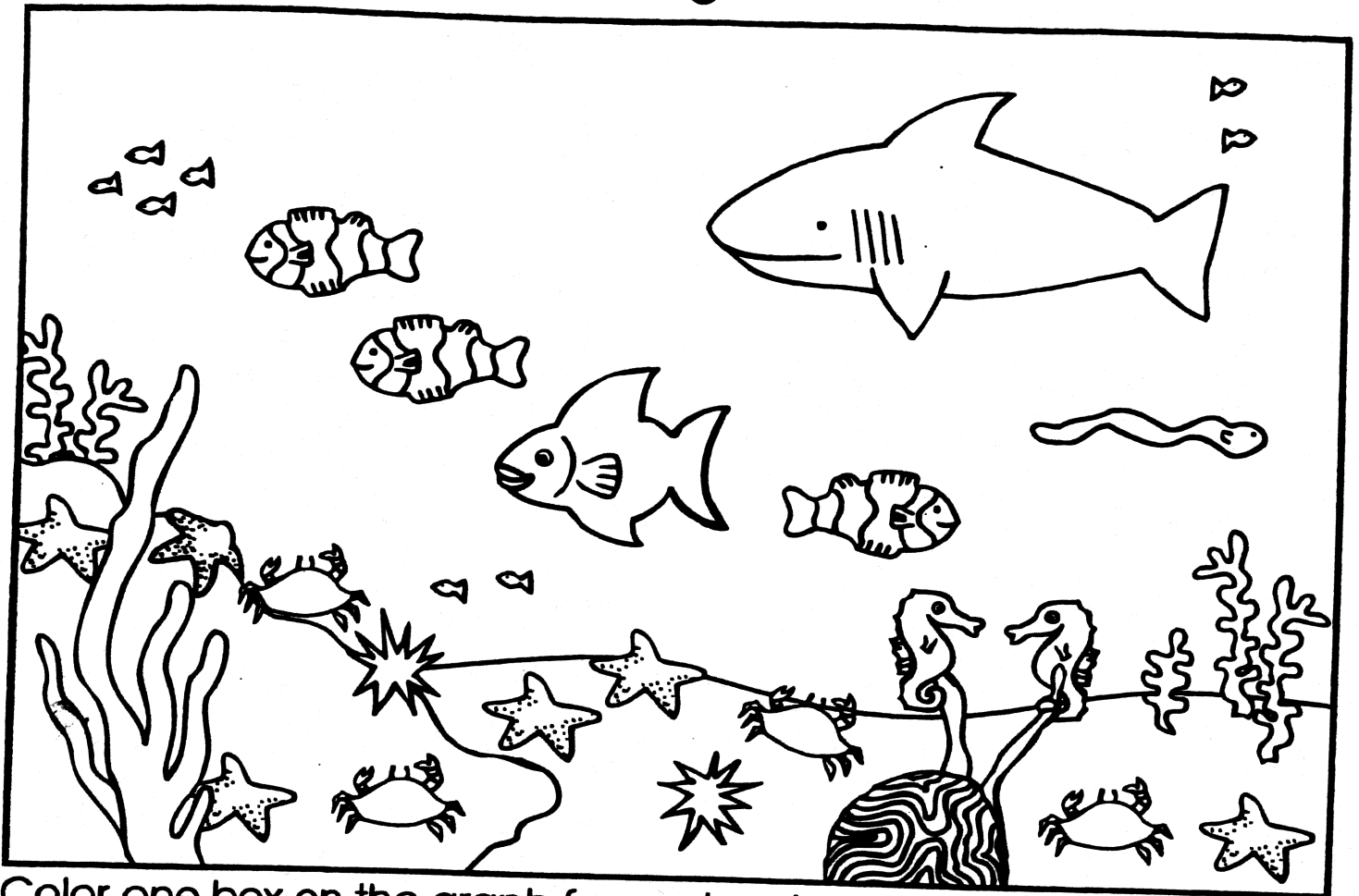
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**Math Problem-Solving: Survey Questions and Secret Rules – Organizing, Representing  
and Interpreting Data**






<b>Category</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Clear representation of data</b>	Incorrect response	One set of data correct		Both sets of data clearly represented
<b>Interpreting data</b>	Answers only 1 or 2 questions correctly	Answers 3 out of 5 questions correctly	Answers 4 out of 5 questions correctly	Answers all 5 questions correctly

Name \_\_\_\_\_

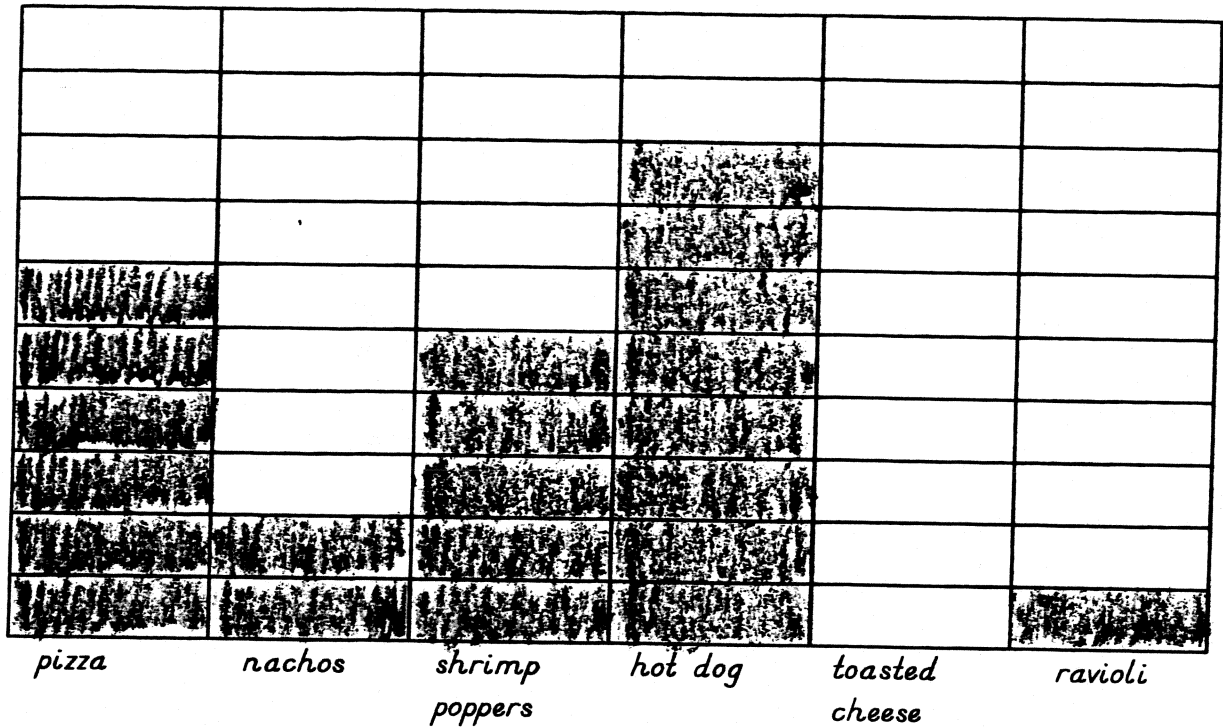
# Swimming School



Color one box on the graph for each animal you find in the ocean picture.

 clown fish							
 sea horse							
 crab							
 sea star							
 shark							

### Favorite Lunch Choices



1. How many kids took the survey about their favorite lunch choice?

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2. Which lunch choice was the least favorite lunch?

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How many kids voted for this lunch?

\_\_\_\_\_ kids

3. How many more kids liked shrimp poppers than ravioli?

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4. Which lunch choice did most of the kids like?

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5. Did more kids like nachos or hot dog?

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6. Did fewer kids like pizza or ravioli?

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Name \_\_\_\_\_

3<sup>rd</sup> Quarter Assessment (Collects and organizes data into simple charts and graphs)

### Animals We Would Want

rat

cat

dog

fish


The students were asked which animal (rat, cat, dog or fish) that they would want for a pet. The teacher recorded the data with tally marks. Now you need to put the same data into the graph above to show how many kids wanted each type of animal. Then write the total in the empty box on the chart.

rat		
cat		
dog		
fish		