

# Pets in the Classroom Math Integration



## Standards:

### CCSS.MATH.CONTENT.K.MD.A.2

Directly compare two objects with a measurable attribute in common, to see which object has "more of"/"less of" the attribute, and describe the difference. For example, directly compare the heights of two children and describe one child as taller/shorter.

### CCSS.MATH.CONTENT.1.MD.C.4

Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.

### CCSS.MATH.CONTENT.2.MD.D.10

Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.

## ACTIVITY

Tell the students that they are going to name their pet fish. On the board/chart paper, make a chart of the names the students have come up with. Use a tally mark to indicate a vote.

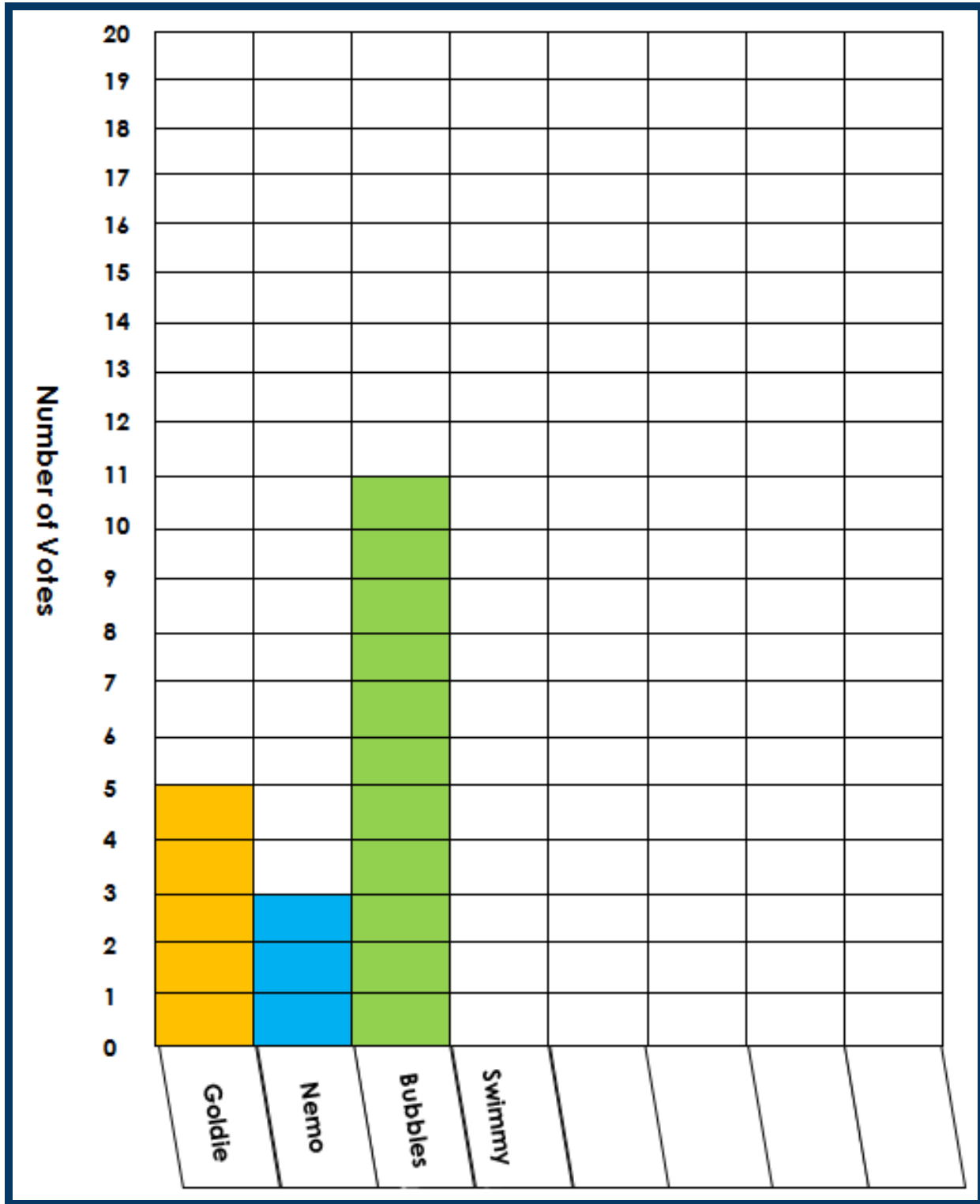
Sample Data:

### TALLY CHART

Name	Tally Marks	Number
Goldie		5
Nemo		3
Bubbles		11
Swimmy		0
Total Votes		19

# Understanding Graph

## Pet Fish Name Graph



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

Direction: Read and answer the questions. Use the data from the graph.

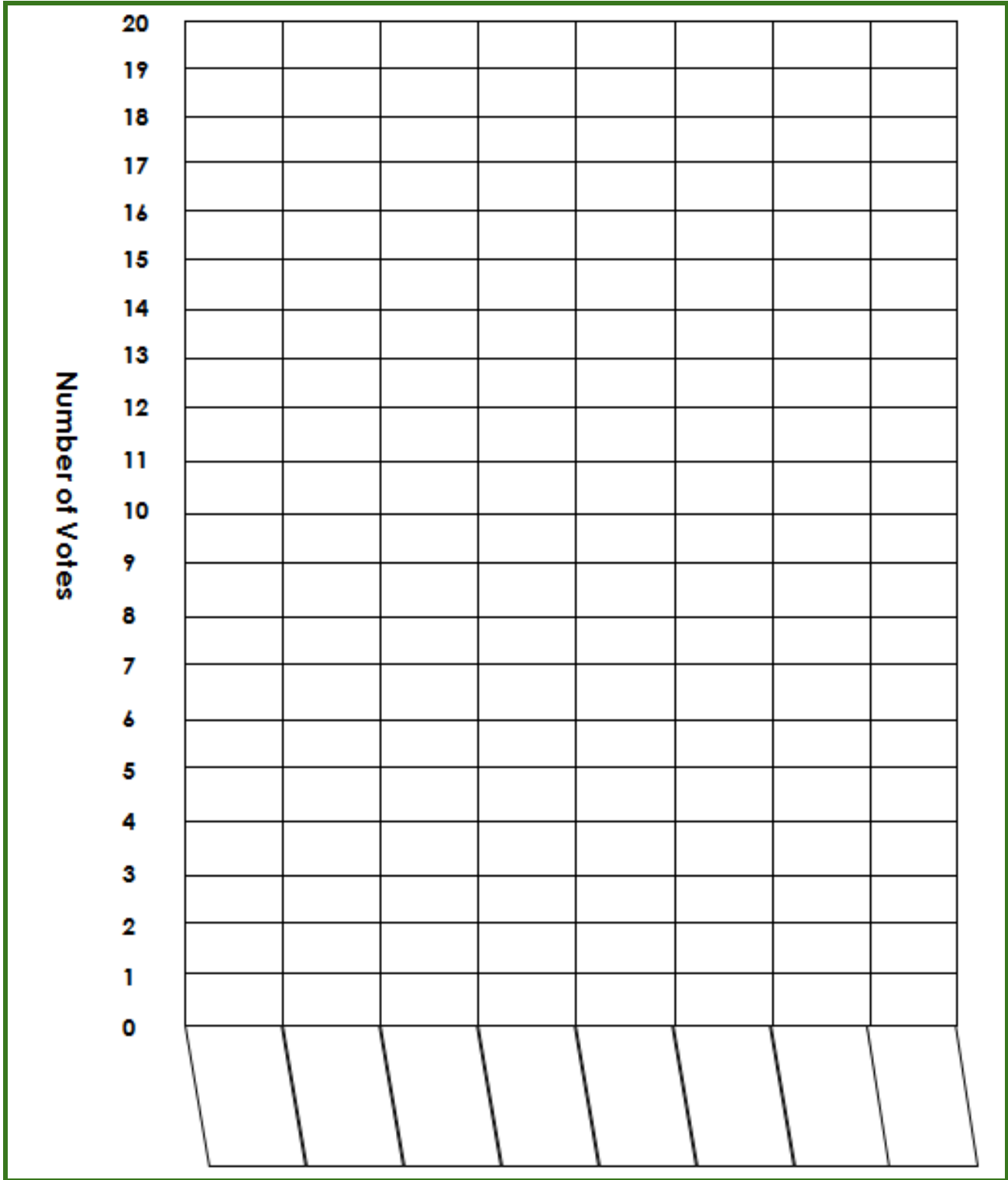
Questions:

1. How many students voted for Nemo? Three students voted for Nemo.
2. How many fewer votes did Goldie have than Bubbles? Goldie had 6 fewer votes than Bubbles.
3. Which pet name had the most votes? Bubbles had the most votes.
4. Which pet name had the least votes? Swimmy had the least votes.
5. Which pet name had 5 votes? The pet name that had 5 votes was Goldie.
6. How many more votes did Bubbles have than Goldie and Nemo combined? Bubbles had 3 more votes than Goldie.
7. Which pet name was the students' second choice? Goldie was the students' second choice of pet name.
8. How many students are in the class? There are 19 students in the class.
9. How many students voted for Swimmy? Swimmy had 0 votes/No student voted for Swimmy.
10. If six more students came to vote for Goldie, how many votes would Goldie have now? Goldie would have 11 votes if six more students voted for it.

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

# Understanding Graphs

## Pet Fish Names



## Understanding Graphs

Direction: Read and answer the questions. Use the data from the graph.

### Questions:

1. How many students voted for \_\_\_\_\_? \_\_\_\_\_
2. How *many fewer* votes did \_\_\_\_\_ have than \_\_\_\_\_? \_\_\_\_\_
3. Which pet name had the **most** votes? \_\_\_\_\_
4. Which pet name had the **least** vote? \_\_\_\_\_
5. Which pet name had \_\_\_\_\_ votes? \_\_\_\_\_
6. How *many more* votes did \_\_\_\_\_ have than \_\_\_\_\_ and \_\_\_\_\_ combined? \_\_\_\_\_
7. Which pet name was the students' second choice? \_\_\_\_\_
8. How many students are in the class? \_\_\_\_\_
9. How many students voted for \_\_\_\_\_? \_\_\_\_\_
10. If six more students came to vote for \_\_\_\_\_, how many votes would it have now? \_\_\_\_\_