Word Problems: Interpreting Bar Graphs
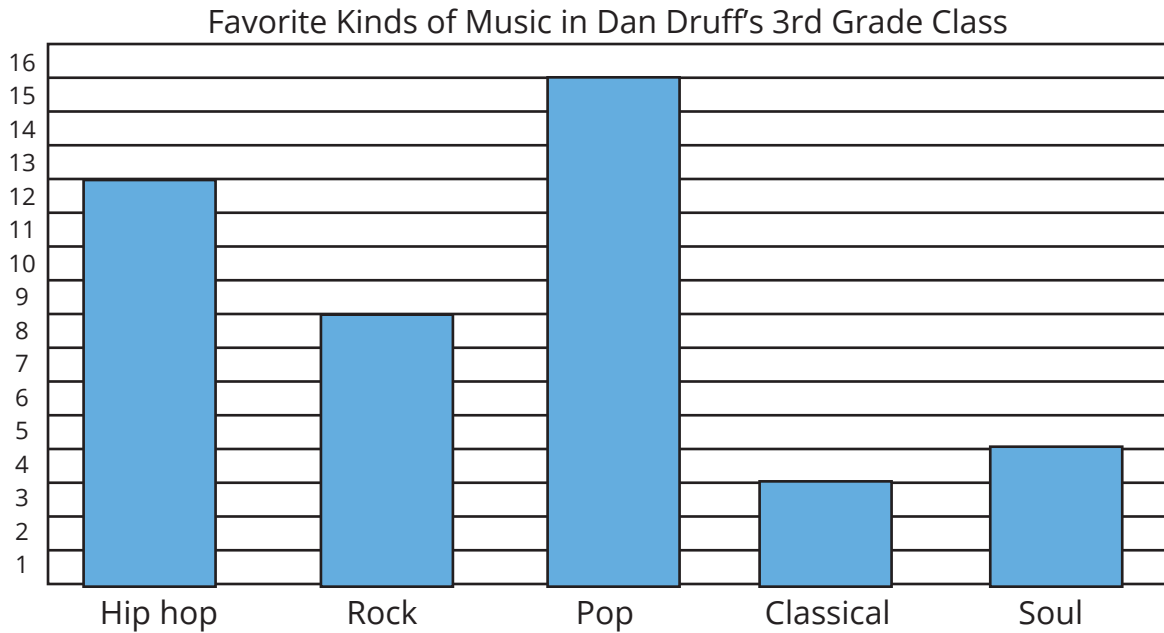
Name_____   Date_____

Use the line plot to answer the questions below.

Favorite Kinds of Music in Dan Druff's 3rd Grade Class

1. If all students in the class voted, how many students are there in the class? _____

2. What is the most popular type of music? _____

3. How many more people favor hip hop over classical? _____

4. Think about these questions and write your predictions.

a. If another category was added to the survey, how do you think the graph would change?

_____

_____

b. How do you think the graph would change if the new category was opera?

_____

_____

c. How about if the new category was ? Explain your reasoning.

_____

_____

5. What if there were four kids who were absent and didn't vote, and when they came back and voted their favorite types of music weren't listed as a choice. What are some of the ways we could represent their choices?

_____

_____

6. In the graph, each horizontal line makes the bar taller by one vote. If each line represented TWO students' votes, how would that change the graph?

_____

_____

7. How could an odd number be represented if each line represents two votes?

_____

_____

8. If you were going to do a follow-up survey, what question might you ask to get more information about favorite music?

_____

_____

_____

_____

_____

9. Write two conclusions you can make from this graph.

a._____

_____

b._____

_____