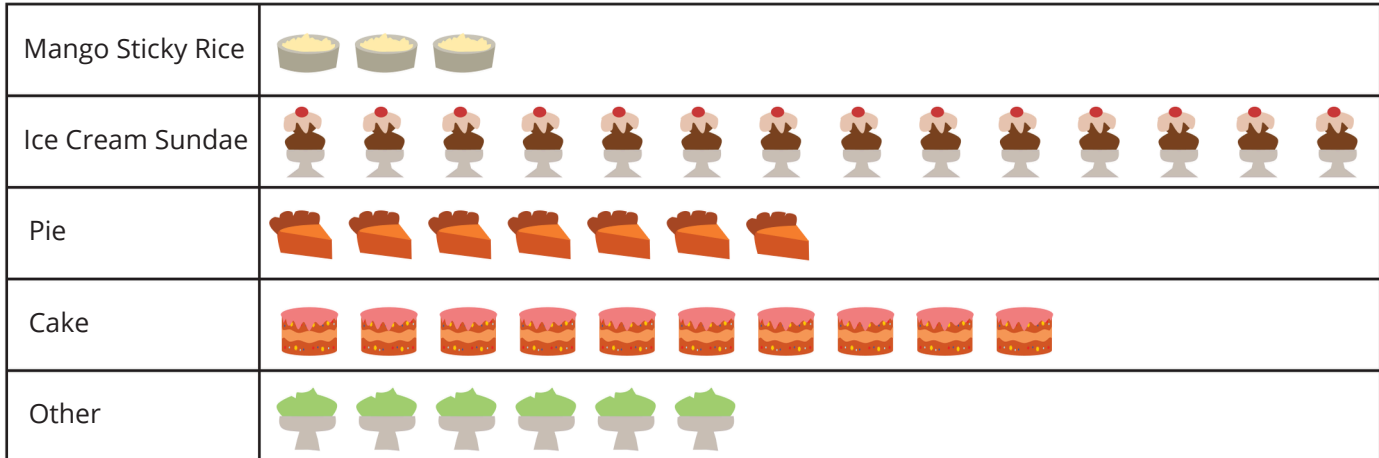# Word Problems: Interpreting Picture Graphs

Name_____   Date_____

Use the picture graph to answer the questions.

Favorite Desserts in Mr. Cravinsweet's 3rd Grade Class

Mango Sticky Rice	🟡🟡🟡
Ice Cream Sundae	🍨🍨🍨🍨🍨🍨🍨🍨🍨🍨🍨🍨🍨
Pie	🥧🥧🥧🥧🥧🥧🥧
Cake	🎂🎂🎂🎂🎂🎂🎂🎂🎂
Other	🍄🍄🍄🍄🍄🍄

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

2. What is the most popular favorite dessert? _____

3. How many more people favor ice cream sundae over mango sticky rice? _____

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 dried fig nuggets with toasted mung beans?

   _____
   _____

c. How about if the new category was freshly baked cookies and milk? Explain your reasoning.

   _____
   _____

5. In the graph, each symbol represents one student's vote. If each symbol represented TWO students' votes, how would that change the graph?

_____

_____

6. How could the vote of ONE student be represented if each symbol represents two votes?

_____

_____

7. When making a picture graph, why is it important to have each of the symbols the same size?

_____

_____

_____

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

_____

_____

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

a._____

_____

b._____

_____