

Name _____

Date _____

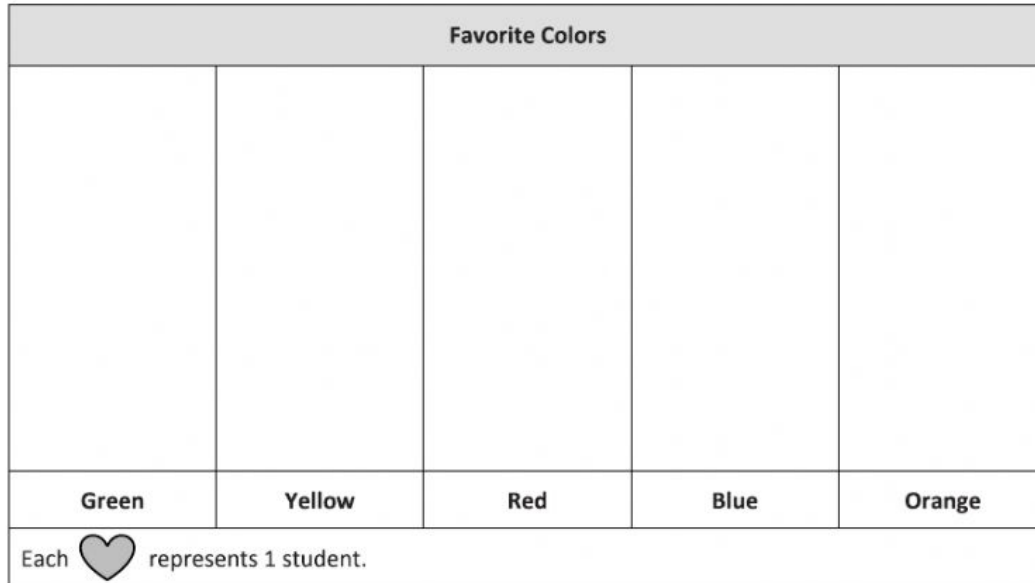
1. “What is your favorite color?” Survey the class to complete the tally chart below.

Favorite Colors	
Color	Number of Students
Green	
Yellow	
Red	
Blue	
Orange	

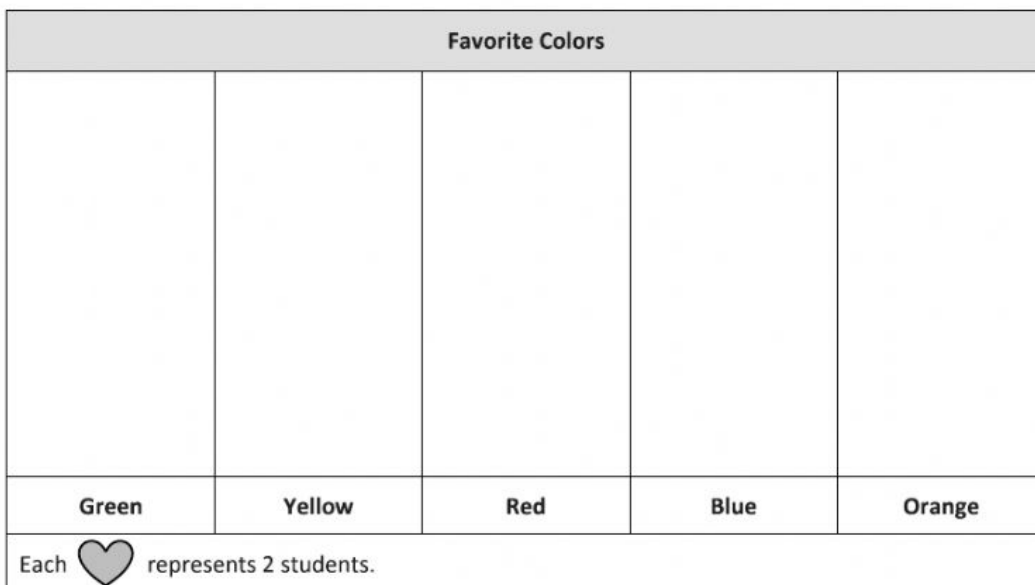
2. Use the tally chart to answer the following questions.
- How many students chose orange as their favorite color?
 - How many students chose yellow as their favorite color?
 - Which color did students choose the most? How many students chose it?
 - Which color did students choose the least? How many students chose it?
 - What is the difference between the number of students in parts (c) and (d)? Write a number sentence to show your thinking.
 - Write an equation to show the total number of students surveyed on this chart.

3. Use the tally chart in Problem 1 to complete the picture graphs below.










a.



b.



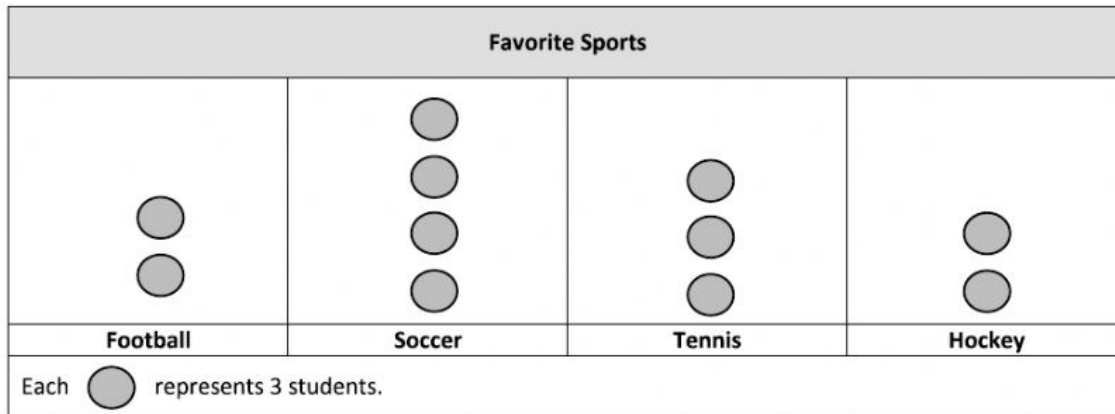
4. Use the picture graph in Problem 3(b) to answer the following questions.

- a. What does each  represent?
- b. Draw a picture and write a number sentence to show how to represent 3 students in your picture graph.
- c. How many students does        represent? Write a number sentence to show how you know.
- d. How many more  did you draw for the color that students chose the most than for the color that students chose the least? Write a number sentence to show the difference between the number of votes for the color that students chose the most and the color that students chose the least.

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The picture graph below shows data from a survey of students' favorite sports.



- The same number of students picked _____ and _____ as their favorite sport.
- How many students picked tennis as their favorite sport?
- How many more students picked soccer than tennis? Use a number sentence to show your thinking.
- How many total students were surveyed?