

Name _____

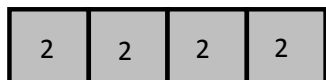
Date _____

1. Adi surveys third-graders to find out what their favorite fruits are. The results are in the table below.

Favorite Fruits of Third-Graders	
Fruit	Number of Student Votes
Banana	8
Apple	16
Strawberry	12
Peach	4

Draw units of 2 to complete the tape diagrams to show the total votes for each fruit. The first one has been done for you.

Banana:



Apple:

Strawberry:

Peach:

2. Explain how you can create a vertical tape diagram to show this data.

3. Complete the vertical tape diagrams below using the data from Problem 1.

a.



Banana Apple Strawberry Peach

c. What is a good title for the vertical tape

b.



Banana Apple Strawberry Peach

diagrams?

- d. Compare the number of units used in each vertical tape diagram. Why does the number of units change?
- e. Write a multiplication number sentence to show the total number of votes for strawberry in the vertical tape diagram in Problem 3(a).
- f. Write a multiplication number sentence to show the total number of votes for strawberry in the vertical tape diagram in Problem 3(b).
- g. What changes in your multiplication number sentences in (e) and (f)? Why?