

Name _____

Date: _____

Rotate Tape Diagrams vertically Extra Examples

Braden surveys 4th graders to find out their favorite Avenger. The results are in the table below.

Favorite Avenger of 4 th Graders	
Avenger	Number of Student Votes
Hulk	4
Black Panther	4
Iron Man	12
Captain America	16
Thor	8

1. Draw units of 2 to complete the tape diagram to show the total votes for each Avenger.

Hulk:

Black Panther:

Iron Man:

Captain America:

Thor:

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

3. Complete the vertical tape diagrams below using the data from the previous page.

a.



Hulk

Black Panther

Iron Man

Captain America

Thor

b.



Hulk

Black Panther

Iron Man

Captain America

Thor

c. What is a good title for the vertical tape diagram?

d. Write a multiplication number sentence to show the total number of votes for Iron Man in the vertical tape diagram in problem 3(a).

e. Write a multiplication number sentence to show the total number of votes for Iron Man in the vertical tape diagram in problem 3(b).