Observe and Represent Data Using Tape Diagrams

Complete the application problem .

Please do a neat job. Use the graph paper to represent the number of points scored in each game. Make sure and use a pencil.

You have 5 minutes

Let’s flip these tape diagrams

Erase the brackets and any other writing except the labels for the games.

Now turn your tape diagram so it looks like mine.

How are these vertical tape diagrams similar to the picture graphs you made yesterday?

How are the vertical tape diagrams different from the picture graphs?

What would be a good title for this diagram?

Change it up

Use the same point total for each game -

Game 1, 12

Game 2, 8

Game 3, 16

Draw the tape diagram again, but this time instead of a unit size of 2, use a unit size of 4

5 minute timer[5 Minutes Timer - Online Stopwatch]

Multiplication Sentence

Can you write a multiplication sentence using the values in the last tape diagram to represent the total points Reisha scored in her basketball game?

$$9 \times 4 = 36$$

Problem set

Things to think about -

Could you display the data for problem 1 with a unit of 6? Why or why not?

If the value of the unit for your vertical tape diagram in problem 1 was 2 instead of 4, how would the number of units change?

How are tape diagrams like picture graphs?