

Human Bar Graphs

Have students determine what their favorite song is out of a choice of four songs. You can do this for different genres. Have the students go to four corners of the room for the different songs. Ask your students what they notice about the concentration of people around the room. How many people are in each group?

Following this, go in the hallway and have the four groups line up on the tiles. The four tiles in the hallway may look somewhat like this-

x			
x		/	
x		/	
x		/	
x	-	/	
x	-	/	
x	-	/	X
x	-	/	X
x	-	/	X

If you stand at the front, the line looks like a bar graph. You can look at data from there and ask questions. Here is a sample 3-2-1 journal entry.

- 3 Observations- There was a great difference (range) between the most and least popular. If one more student chose /, then there would be two songs that were the most popular. There also wasn't much of a difference between the - and X group.
- 2 Inferences- (Let's say - and X were country songs and x and / were rock songs.) Students in my class probably like rock more than country. The two lowest groups combined would equal the / group.
- 1 Variable- What if we had chosen different songs? (Other examples- What if this same survey were done with Mrs. Gries' class instead of our class? What if some students in our class were absent today? How would this data look with all the boys in our class vs. all the girls?)