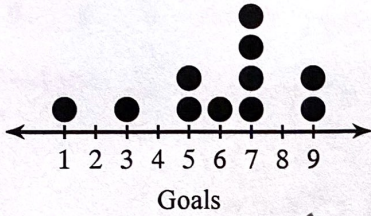


Unit 5 - Extra Practice #2

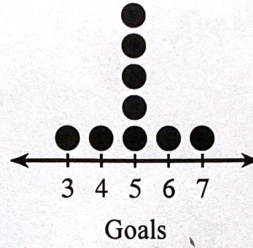
For each set of two problems (#1 and #2, #3 and #4, etc) do the following: 1) Describe the distribution of each data set. Is it symmetric, skewed left, or skewed right?, and 2) Predict which of the data sets has a higher standard deviation, and explain your reasoning.

1) Goals in a Hockey Game



skewed left

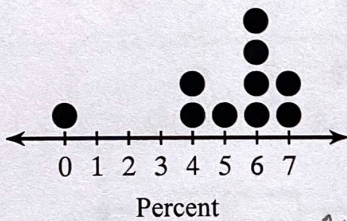
2) Goals in a Hockey Game



symmetric

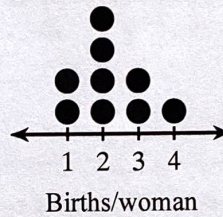
#1 would have a higher standard deviation because the data is more spread out.

3) Sales Tax by State



skewed left

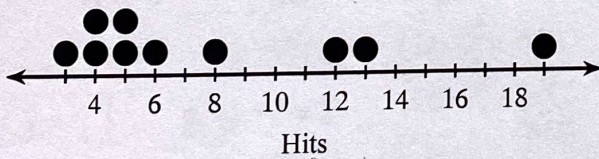
4) Birth Rate by Country



(slightly) skewed right - would accept symmetric

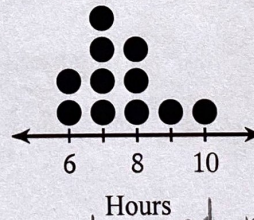
#3 would have a higher standard deviation because it is more spread out.

5) Hits in a Round of Hacky Sack



skewed right

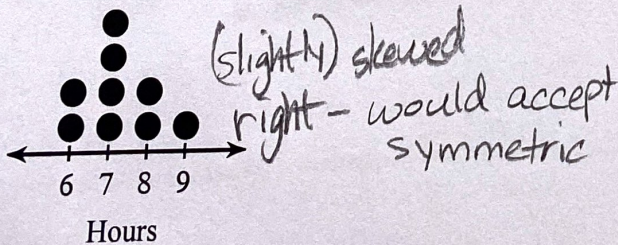
6) Hours Slept



skewed right

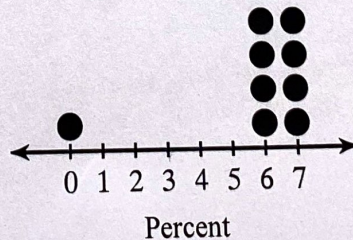
#5 because the data is more spread out.

7) Hours Slept



(slightly) skewed right - would accept symmetric

8) Sales Tax by State



skewed left

#8 because the data is more spread out. (one value falls 6.5 from the mean, where in problem 7, all values fall within 2 of the mean).