# Categorical Vs Numerical Data Worksheets

1. Identify each of the following data sets as categorical (C) or numerical (N). Explain your answer.

a) Arm spans of 12 sixth graders

b) Number of languages spoken by each of 20 adults

c) Favorite sport of each person in a group of 20 adults

d) Number of pets for each of 40 third graders

e) Number of hours a week spent reading a book for a group of middle school students

2. If you collected data on the weights of dogs, would the data be numerical or categorical? Explain how you know the data are numerical or categorical.

# Categorical Vs Numerical Data Worksheets

1.  Identify each of the following data sets as categorical (C) or numerical (N). Explain your answer.

a)  Arm spans of 12 sixth graders

*N; the arm span can be measured as number of inches, for example, so the data set is numerical.*

b)  Number of languages spoken by each of 20 adults

*N; number of languages is clearly numerical.*

c)  Favorite sport of each person in a group of 20 adults

*C; a sport falls into a category, such as "soccer" or "hockey." Favorite sport is not measured numerically.*

 d)  Number of pets for each of 40 third graders

*N; number of pets is clearly numerical.*

e)  Number of hours a week spent reading a book for a group of middle school students

*N; number of hours is clearly numerical.*

2.  If you collected data on the weights of dogs, would the data be numerical or categorical?  Explain how you know the data are numerical or categorical.

*The data collected would be numerical data because the weight values are numbers.*