Categorical Vs Numerical Data Worksheets

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

    a) Heights of 20 sixth graders ____

    b) Favorite flavor of ice cream for each of 10 sixth graders ____

    c) Hours of sleep on a school night for each of 30 sixth graders ____

    d) Type of beverage drunk at lunch for each of 15 sixth graders ____

    e) Eye color for each of 30 sixth graders ____

    f) Number of pencils in the desk of each of 15 sixth graders ____

2. For each of the following statistical questions, identify whether the data Jerome would collect to answer the question would be numerical or categorical. Explain your answer, and list four possible data values.

    a) How old are the cards in the collection?

    b) How much did the cards in the collection cost?

    c) Where did Jerome get the cards in the collection?

Categorical Vs Numerical Data Worksheets

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

   a) Heights of 20 sixth graders ____N

   b) Favorite flavor of ice cream for each of 10 sixth graders __C

   c) Hours of sleep on a school night for each of 30 sixth graders __N

   d) Type of beverage drunk at lunch for each of 15 sixth graders __C

   e) Eye color for each of 30 sixth graders ___C

   f) Number of pencils in the desk of each of 15 sixth graders ___N

2. For each of the following statistical questions, identify whether the data Jerome would collect to answer the question would be numerical or categorical. Explain your answer, and list four possible data values.

   a) How old are the cards in the collection?

   The data are numerical data, as I anticipate the data will be numbers.

   Possible data values: 2 years, $2\frac{1}{2}$ years, 4 years, 20 years

   b) How much did the cards in the collection cost?

   The data are numerical data, as I anticipate the data will be numbers.
   Possible data values: $0.20, $1.50, $10.00, $35.00

   c) Where did Jerome get the cards in the collection?

   The data are categorical, as I anticipate the data will represent the names of places or people.
   Possible data values: a store, a garage sale, from my brother, from a friend