MP2a-Classify and Count Data

Content Area: **Math**
Course(s): **Math K**
Time Period: **Marking Period 2**
Length: **MP2 Topic 5 5-1 to 5-3**
Status: **Published**

Essential Questions

- How can classifying data help to answer questions?

Big Ideas

- **Number Uses, Classification, and Representation:** Numbers can be used for different purposes, and numbers can be classified and represented in different ways.
- **Comparison and Relationships:** Numbers, expressions, measures, and objects can be compared and related to other numbers, expressions, measures and objects in different ways.
- **Data Collection and Representation:** Some questions can be answered by collecting and analyzing data, and the question to be answered determines the data that need to be collected and how best to collect the data. Data can be represented visually using tables, charts, and graphs. The type of data determines the best choice of visual representation.
- **Practices, Processes, and Proficiencies:** Mathematics content and processes can be applied to solve problems.

CSDT Technology Integration

8.1.2.DA.4: Make predictions based on data using charts or graphs.

Activity:
Students will make predictions about favorite holiday traditions. Students will graph their favorite traditions and analyze the data

CSDT Technology Connection

8.2.2.ITH.3: Identify how technology impacts or improves life.

Diversity Lesson

Objective: Students will collect data and graph the favorite holiday their family celebrates.

Activity: Students will each fill in a box on a class graph recording their favorite holiday. Students will interpret the data to determine which is the most and the least.

Enduring Understandings

Counting & Cardinality

K.CC.B.5 Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1-20, count out that many objects.

K.CC.C.6 (M) Identify whether the number of objects in one group is greater than, less, than, or equal to the number of objects in another group, e.., by using matching and counting strategies.

K.CC.C.7 (M) Compare two numbers between 1 and 10 presented as written numerals.

Measurement & Data

K.MD.B.3 (M) Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.