

Investigation 5: Looking at Data

Data - Information that is _____ about something.

Why do you think data is collected?

Areas where data is collected:

Organizing Data:

Frequency Tables

Mr. Sottong gave his 25 students a choice of 6 activities. Each student completed the activity of his or her choice. A student could have completed activity 1, 2, 3, 4, 5, or 6. Here are the activities that Mr. Sottong's students chose to complete:

4, 3, 3, 4, 2, 5, 6, 1, 3, 4, 5, 2, 2,
6, 3, 3, 4, 3, 2, 4, 5, 3, 5, 5, 6

So, what was the most popular activity? What was the most unpopular activity? (Hint: Find the mode!)

Activity	Tally	Frequency

1. Twenty children were asked how many brothers and sisters they each had. The responses were these numbers:

2, 3, 0, 1, 1, 3, 0, 4, 1, 2,
0, 1, 1, 2, 2, 3, 0, 2, 1, 1

Represent Make a frequency table that shows the numbers of brothers and sisters.

Suppose the ABC Market offers 22 turkeys for sale. The weights of the turkeys in pounds are given below:

11, 18, 21, 23, 16, 20, 22, 14, 16, 20, 17,
19, 13, 14, 22, 19, 22, 18, 20, 12, 25, 23

2. **Represent** Use the raw data about the turkey weights at ABC Market to make a new frequency table. Instead of the weight intervals shown in the table above, use the intervals 11–15 lb, 16–20 lb, and 21–25 lb.

Activity	Tally	Frequency