**RH Data Activity: Part 2**

Using the data we collected last week, answer the following questions. Make sure to support your answers with mathematical thinking. If you need to use a calculator, you may.



a) Approximately, what *percent* of people thought **Sun Chips – French Onion** was the most iconic chip brand and flavour of all time?

b) Read the graph and the surrounding information *carefully*. If we have each percentage and there were **102 responses**in total, **how many people voted for *each* category**? Read the example and follow the pattern. (\*\*you may need to round up or round down to the *nearest whole number*)

*For example:*  **Cheetos**

Step 1 → 33.3% ÷ **100** = 0.333 (this decimal number represents $\frac{number of votes in a category}{total number ofresponses}$ )

Step 2 → 0.333 x **102** = 33.9 ≈ **34 people voted for Cheetos** (we round up to 34 since you can’t have .9 of a person)

# of people who voted for **Taki - Fuego = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# of people who voted for **Ruffles - All Dressed = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# of people who voted for **Ms. Vickies - Sea Salt and Malt Vinegar = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

# of people who voted for **Cheetos - Puffs = \_\_\_\_\_\_\_\_\_\_\_\_**

c) Using the numbers you just acquired, what is the “*data set”* (may need to refer to “**Graph Intro Week 7**”notes)

d) What is the ratio of *people who voted for* **flat chips** to *people who voted for* **cylinder shaped chips**?

Using the graph below, answer the following questions

a) Using the graph above as a guide, draw a line and match the number of students who voted to their division

|  |  |
| --- | --- |
| Division | Number of Students Who Voted |
| Division 1 | 13 |
| Division 2 | 9 |
| Division 3 | 23 |
| Division 4 | 27 |
| Division 5 | 17 |
| Division 6 | 14 |

b) What is the “range”/spread of the data? (Refer to “**Graph Info Week 7”** Notes)

c) Using this data, what is the “mean”/average number of votes per class? (Refer to “**Graph Info Week 7”** Notes)

Given the following data, carefully consider what kind of graph would *best represent* this data, then make it! As last week, please ensure that your graph is: **titled, neatly coloured, utilizes labels and a legend if necessary.**

|  |
| --- |
| What Is the Best Kind of Movie to Watch |
| **Type of Movie** | **Number of Students Who Voted For It** |
| Action | 32 |
| Romantic Comedies | 5 |
| Scary | 12 |
| Anything Disney+/Neflix | 7 |
| I’d Rather Read a Book/ Spend Time with Family | 44 |