**![C:\Users\kmccoy\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\EGUI3368\MC900078736[1].wmf]() ![C:\Users\kmccoy\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\EGUI3368\MC900078736[1].wmf]()**

**Data Investigation**

PART 1: Write 3 statistical questions we can ask about the data collected:

|  |  |
| --- | --- |
| 1. |  |
| 2. |  |
| 3. |  |

PART 2: For your assigned question from the Carousel Activity, report the frequency of responses given for each answer choice. Then, using the proportion of the frequency of response to the total # of responses given, find the other equivalent forms of the proportion.

EXAMPLE:

Question #: 1 Total # of Responses: 25

|  |  |
| --- | --- |
| **CHOICE A** | **CHOICE B** |
| **Frequency**  | **Percent** | **Fraction** | **Ratio** | **Frequency**  | **Percent** | **Fraction** | **Ratio** |
| 2 | 8% | 2/25 | 2:25 | 7 | 28% | 7/25 | 7:25 |
| **CHOICE C** | **CHOICE D** |
| **Frequency**  | **Percent** | **Fraction** | **Ratio** | **Frequency**  | **Percent** | **Fraction** | **Ratio** |
| 13 | 52% | 13/25 | 13:25 | 3 | 12% | 3/25 | 3:25 |

 PART 3: Using the posted summaries for each question, can you answer the 3 statistical questions you listed above?

|  |  |
| --- | --- |
| 1. |  |
| 2. |  |
| 3. |  |

DIRECTIONS: Complete the Data Summary for your assigned question. Use the back of the page for your work. Write neatly because others will be using your results.

Question # \_\_\_\_\_\_ Total # of Responses: \_\_\_\_\_\_

|  |  |
| --- | --- |
| **CHOICE A** | **CHOICE B** |
| **Frequency** | **Percent** | **Fraction** | **Ratio** | **Frequency** | **Percent** | **Fraction** | **Ratio** |
|  |  |  |  |  |  |  |  |
| **CHOICE C** | **CHOICE D** |
| **Frequency** | **Percent** | **Fraction** | **Ratio** | **Frequency** | **Percent** | **Fraction** | **Ratio** |
|  |  |  |  |  |  |  |  |

**Think About It:** After completing this carousel activity, how do you think other students would answer the questions? Would the results be the same, similar, or different? Why or why not?