**Due: Thursday, October 23**

 **(In Math class!)**

#

**Your Task**: Imagine that an exchange student is going to come to our school as a student for the month of June. Your job is to collect data to share with the exchange student that will give them a good description of a typical grade 7 student.

1. Brainstorm with information you would want to know about a typical student.

2. Decide what specific information you will gather while completing the survey.

3. Design survey questions and be responsible for gathering that data. Your data collection must include at least one categorical question, one discrete question and one continuous question.

4. The data collected must be representative of the grade 7 population.

5. Write your survey question below and set up your tally chart.

6. The survey results must be completed by the beginning of next class.

7. a) Choose the most appropriate type of chart/graph to display your data and create it. (With or without a computer)

 b) Explain why you chose this type of graph

SURVEY QUESTION: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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TALLY CHART

# Self Checklist and Rubric

|  |  |
| --- | --- |
| Task | Completed |
| Survey Question  |  |
| Survey Results |  |
| Graph  |  |
| Report |  |

THIS PAGE MUST BE SUBMITTED WITH ALL OF YOUR WORK!

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Criteria** | **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| **Exploring and Reflecting** |
| **Collection of data and exploration of the problem** | Gathers data that is connected to the problem, yet is **inappropriate for the inquiry** | Gathers data that is appropriate and connected to the problem, yet is **missing many significant cases** | Gathers data that is appropriate and connected to the problem, **including most significant cases** | Gathers data that is appropriate and connected to the problem, **including** **all significant and extreme cases** |
| **Representing** |
| **Creation of a model to represent the data (e.g., numerical, graphical, by hand or using technology)** | Creates a model that represents **little** of the range of data | Creates a model that represents **some** of the range of data | Creates a model that represents **most** of the range of data | Creates a model that represents **the full range of** data |
| **Communicating** |
| **Expression and organization of ideas and mathematical thinking(e.g., clarity of expression, logical organization) using visual and written forms (e.g. graphic or numeric)** | Expresses and organizes mathematical thinking with **limited** effectiveness | Expresses and organizes mathematical thinking with **some** effectiveness | Expresses and organizes mathematical thinking with **considerable** effectiveness | Expresses and organizes mathematical thinking with **a high degree of** effectiveness |