



# Census at School Analyze and Compare

## *With TinkerPlots - Student Worksheet*

Follow the outline in the student handout booklet and answer the questions on this worksheet as you work through the instructions.

*Remember: The booklet is designed to be a technical read and you need to try to understand it with minimum help from others.*

### **Data Card:**

1. How many in our class took the survey? ..... \_\_\_\_\_

### **Gender Plot:**

2. What is the number of females in the class ? ..... \_\_\_\_\_

3. What is the number of males in the class ? ..... \_\_\_\_\_

4. What is the percentage of males in the class ?..... \_\_\_\_\_

5. What is the percentage of females in the class ?..... \_\_\_\_\_

### **Communication Plot:**

6. Do the students in our class use the Internet or phone more to communicate with their friends? ..... \_\_\_\_\_

### **Eyes Plot:**

*Remember to use the % icon to help you.*

7. What percentage of the eye colour is green?..... \_\_\_\_\_

8. What percentage of the eye colour is brown?..... \_\_\_\_\_

9. What percentage of the eye colour is blue?..... \_\_\_\_\_

10. What percentage of the eye colour is other?..... \_\_\_\_\_

11. What percentage of females have brown eyes?..... \_\_\_\_\_

12. What percentage of males have green eyes?..... \_\_\_\_\_

## Height Plot:

*Use the Average menu to help you with this question*

13. What is the mean? ..... \_\_\_\_\_
14. What is the mode?..... \_\_\_\_\_
15. What is the median?..... \_\_\_\_\_
16. What is the average height of the males? ..... \_\_\_\_\_
17. What is the average height of the females?..... \_\_\_\_\_
18. What is the median height of the males?..... \_\_\_\_\_
19. What is the median height of the females?..... \_\_\_\_\_

## ON YOUR OWN

1. Create a data question to be answered using the data we collected in class.
2. Use the **text** box to put your name in the TinkerPlots screen at the top right hand side.



3. Put the question in another text box and comment on what you think / expect the result /outcome will be before you create the TinkerPlots graph of this question.
4. Create the TinkerPlots graph for your question.
5. Comment in another text box about the actual results.
  - i. Was it what you expected or were you surprised by the result?
  - ii. Does it make another possible question come up that you could survey the class about?
6. Print out your TinkerPlots graph and hand it in. The more detail you give the better.