Data Analysis

**Start with a topic sentence** to say what the graph / table is about (as shown in the main title and the title for each axis/row or column).

**Summarize the data.** (Write about the important points in the graph or table; do not write about all the data.)

- **Qualitative data** (e.g., more/fewer, increase/decrease)

- **Specific quantitative data** (e.g., actual numbers, percentages)
  Give examples from the greatest and least; do not include all the data in between.

**End with a conclusion** that answers the question you were investigating (investigative question). Include:

- The main *inferences* made from the data.

- Whether the data support your *prediction* and if your thinking has changed.

You may also need to include:

- *Outliers* and *inconsistent* or *inconclusive data* and what you think might have caused them (e.g., variables in the testing).

- How this information might be important in the real world.

This graph / table shows ______.

The larger wheels go further than the smaller wheels do.

The distance increases as the wheels get larger.

For example, the 4.5 cm wheels went 145 cm, whereas the 11 cm wheels went 276 cm.

Therefore, I think ______.

The data ______. My thinking ______.

Some data were inconsistent. I think this happened because ______.

This information could be important ______ because ______.