

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 *farther* 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 _____ .