

Investigative question:

What is the effect of the size of the wheels on the distance a go-cart can travel?

1. Answer the question:

2. Include supporting data (evidence) from the *Wheel Size vs. Distance Traveled* scatter plot:

The data show that _____. [include *only* and *but*]

☐ The 7.5 cm wheels make the go-cart travel _____ cm.

☐ 11.5 cm wheels—distance in cm

☐ In fact, _____. [use numbers you computed to the right of your data table]

3. Write a concluding statement:

Therefore, the [smaller/larger] the wheels, the [shorter/longer] the distance the go-cart travels.

4. Reread your prediction. Think about your reasoning for your prediction.

Then write about how your thinking has changed:

At first, I thought _____ because I thought _____.

Then I revised my thinking when _____.

5. Explain why you think the wheel size does affect the distance the go-cart travels:

Now I think _____ because _____.

6. If your group's test results were inconsistent, explain why you think your group got different results than other groups did:

My group's test results were inconsistent. I think this happened because _____.

7. Write what you would like to investigate next time:

Now I want to investigate what would happen if _____.