

## LESSON 5 Student Sheet

### Should We Let Tundra Buggies® Get Close to the Polar Bears?



### Materials

- Data chart
- Graph paper
- Ruler
- Pencil

### Data

The chart below shows the number of bears that reacted to the Tundra Buggy® at a certain distance. Use the data to make a graph. See if there is a pattern. Decide if the data can be useful in deciding whether Tundra Buggies® should be allowed to get close to the bears.

### Research questions

- Do polar bears respond to Tundra Buggies®?
- If so, at what distance do they respond?

### Hypothesis

Based on what you have read, write a hypothesis to address the research questions above. Make sure you write your hypothesis as a statement and include "I think \_\_\_\_ because \_\_\_\_."

### Hypothesis

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### Data for Vehicle Approach Experiments

Number of Bears	Distance (meters)
2	0 - 19
9	20 - 29
10	30 - 39
9	40 - 49
3	50 - 59
2	60 - 69
1	70 - 79
2	80 - 89
1	90 - 99
1	100 - 109



## Conclusions

What conclusions can you draw from the graph?

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Based on your conclusions, what is your decision about allowing Tundra Buggies® near the bears?

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How was the data useful to you in making your decision?

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What other information would you like to have about the bears' reactions to Tundra Buggies®?

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