Carry out one connected first-hand statistical investigation

NAME	DATE

1 **Activity · Work with your teacher**

Ask a class question. Collect the answers. Use a graph scale to draw the graph. Write what you found.

Keep your investigation together.

My question and prediction

My response table

My graph scale and graph

What I found (two conclusions)

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1. The same statistical question, prediction, at least 20 genuine responses, category counts, chosen equal-step scale, graph and two interpretations are retained together. Each response appears once; table and graph totals agree. Require a many-to-one scale (for example 2 responses per square) and accurately represented values, including half units if necessary. A copied or supplied dataset is supporting graph practice only.

Practice / supporting evidence: The required action directly supports this curriculum statement; this bounded task does not certify the broader legacy AXIS skill.

Teacher procedure · Question 1

1. Arrange at least 20 willing classmates or adults. Prepare paper and pencils. Choose a categorical question that permits varied responses and one answer per person.
2. The learner writes the question and prediction, asks the same question of every participant, and records the real responses. Retain raw records and category counts together.
3. The learner chooses and labels an equal-step scale that fits the largest count. Require a many-to-one scale and discuss how odd counts can be shown accurately. The learner titles and labels the graph using these same counts.
4. The learner writes two conclusions and compares the prediction with the actual result. Check all four records independently; unobserved collection cannot be inferred from a correct graph.

Record: Attach the question, prediction, raw responses, table, chosen scale, graph and conclusions under the same investigation ID.

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Question, categories and prediction

Date observed: _____

☐ Independent ☐ Not yet / help needed ☐ Not observed

What the child said or did; prompts or self-correction:

First-hand responses and accurate table

Date observed: _____

☐ Independent ☐ Not yet / help needed ☐ Not observed

What the child said or did; prompts or self-correction:

Chosen scale and matching graph

Date observed: _____

☐ Independent ☐ Not yet / help needed ☐ Not observed

What the child said or did; prompts or self-correction:

Two conclusions tied to these data

Date observed: _____

☐ Independent ☐ Not yet / help needed ☐ Not observed

What the child said or did; prompts or self-correction:

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