

Graph Match Challenge

Goal: Use clues to match a graph with the correct dataset.

What to Do:

1. Look at the **mystery graph** provided (printed or digital).
2. Review 2–3 datasets that might have produced it.
3. Use your reasoning to **match the graph** to the correct dataset.
4. Be ready to explain your choice:
 - What shape or trend helped you decide?
 - Are the values consistent with what the graph shows?

Tip: Focus on patterns (up/down), value ranges, and labels to narrow it down.

Design Your Own Dataset

Goal: Create a dataset about something you're interested in—and turn it into a graph!

What to Do:

1. Think of a topic you're curious about:
 - Favorite snacks, hours of sleep, pets people own, number of books read, etc.
2. Collect or imagine at least **5–10 rows of data**.
 - Example: Ask friends their favorite colors or how many siblings they have.
3. Organize your data in a simple table (2–3 columns).
4. Upload it into the [DataViz Tool](#) or draw your graph by hand.
5. Choose the **best graph type** (bar, line, scatter, etc.) and **give it a title**.

Tip: Try to tell a story with your graph—what do you notice?

Two Truths and a Lie

Goal: Create a dataset and graph, then write two true statements and one made-up statement about it.

What to Do:

1. Think of a **scenario and a dataset** you want to create (e.g., average screen time, student scores, plant growth).
2. Make up a dataset that **looks realistic** and upload it into the DataViz tool.
3. Write down:
 - Two **true statements** about your graph
 - One **false (but believable!) statement**
4. Challenge a friend or classmate to **guess the lie!**