

Sample First-Grade Performance Assessment

Now that you know how to tell stories with words and numbers, see if you can make up a story to match the information below.

Imagine you're walking in the park and you see:

- 2 ducks swimming in a pond
- 4 squirrels running around a tree
- 1 dog chasing a ball
- 3 kids on swings

Write a story using words and a graph.

Be sure to:

- ☐ Describe the characters by telling what they did, how they feel, and what they think.
- ☐ Describe the setting of the story.
- ☐ Make a graph to show what the characters are doing.

Sample Middle School Math Performance Assessment

Design a simple experiment testing how one variable of your choice affects a measurable outcome of your choice. You do not need to actually run it. Invent realistic data based on what you know would happen.

Your experiment must include:

- At least three categories or conditions being compared
- At least five trials per category
- Realistic, internally consistent invented data for every trial

Your submission must include:

- A stated investigative question
- A brief explanation of your design: what stayed the same, what you changed, and why that makes it a fair, simple experiment
- A labeled data table with units
- A bar graph of trial counts by category
- A dot plot or histogram of the quantitative data for at least two categories
- All calculations (mean, median, range, IQR) shown on a separate page
- A written description of center, variability, and shape for at least two categories, in context
- A justified choice of which measure of center best fits each of those categories, given its shape
- One data point removed from one category, with recalculated mean and median, and an explanation of which measure moved more and why