

FAMILY MATH

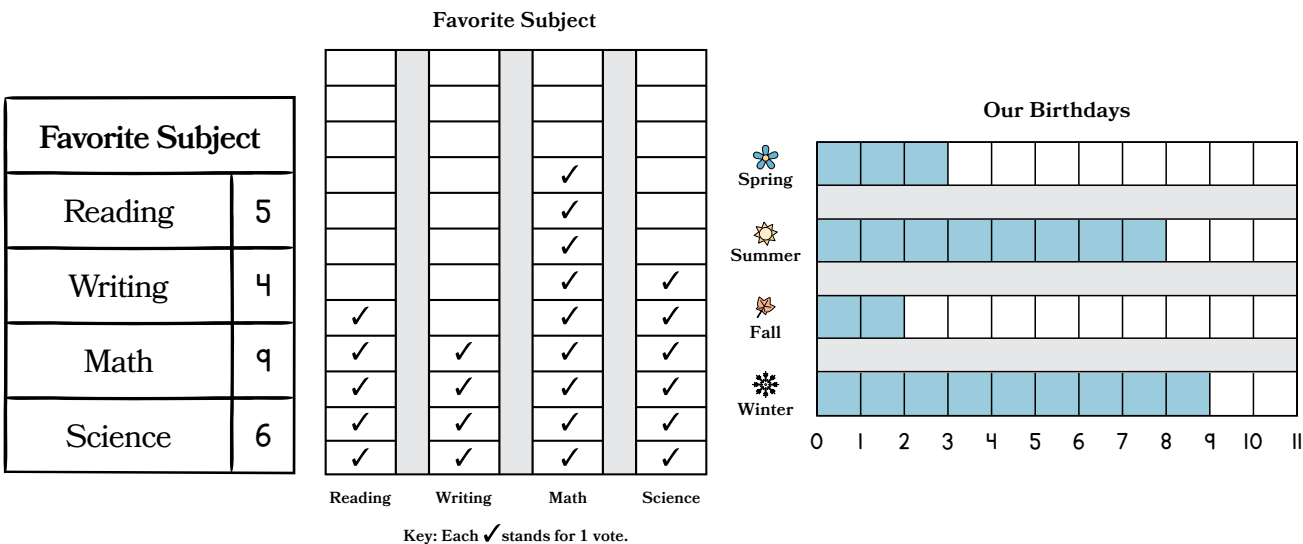
Represent Data to Solve Problems

Dear Family,

Your student begins the year by collecting and representing data in tables and graphs. These activities show that math is part of the world around them. Your student explores how the same data can be represented in different graphs, such as a picture graph and a bar graph, and then uses the information in the graphs to solve problems.

Key Terms

bar graph	category
data	key
scale	table



This table shows the number of students who voted for each subject.

In this picture graph, the categories are Reading, Writing, Math, and Science. The key shows that each check mark stands for 1 vote.

In a bar graph, the value of each category is represented by rectangular bars. The scale on this bar graph counts by 1. Each blue box represents 1 birthday.

At-Home Activities

Go on a Nature Walk

Invite your student on a walk around your neighborhood or a park. Have them count or collect three or four types of objects they see, such as leaves, rocks, and sticks. Help your student make a table and use it to record the number of each object they saw. Consider asking questions about the data they've collected.

- “How many objects did you find in all?”
- “Which type of object did you find the most of?”

- “Which type of object did you find the least of?”
- “How many more leaves did you find than rocks?”
- “How many fewer sticks did you find than leaves?”

Make Real-World Graphs

Encourage your student to collect data about something around their home or in their daily life (such as the number of different-colored cars that go by in 10 minutes or the number of plates, bowls, and cups in the kitchen). Use stickers or sticky notes to make a picture graph that includes a key. Then use the data to make a bar graph with a title and a scale.