

1st Grade Math: Simple Picture Graphs

In this lesson, we will learn about **picture graphs**, a fun way to organize and show information using pictures!

Key Vocabulary

- **Picture Graph:** A type of graph that uses pictures or symbols to represent data.
- **Data:** Information or facts that we collect, like how many apples each student has.
- **Key:** A part of the graph that tells you what each picture stands for (e.g., 1 apple = 1 picture).

What is a Picture Graph?

A **picture graph** uses small pictures or symbols to represent data. For example, if we want to show how many fruits the students in our class like, we could use pictures of apples, bananas, and oranges to show the information.

Parts of a Picture Graph:

1. **Title:** This tells us what the graph is about.
2. **Pictures:** Each picture stands for a certain number of items.
3. **Key:** The key explains how many items each picture represents.

Example

Let's make a picture graph for favorite fruits in the class. We asked 5 students about their favorite fruit and here's what they said:

- 2 students like apples 🍏
- 1 student likes bananas 🍌
- 2 students like oranges 🍊

Now, we will make a simple picture graph:

Fruit	Number of Students
🍏 Apples	🍏🍏
🍌 Bananas	🍌
🍊 Oranges	🍊🍊

Each picture stands for **1 student**, and this is shown in the **key**.

How to Read a Picture Graph:

- Look at the **title** to know what the graph is about.
- Look at the **pictures** in each row to see how many items they represent.
- Use the **key** to understand how many items each picture represents.

Activities

1. Create Your Own Picture Graph:

- a. Ask students a question like "What is your favorite color?" Then, create a picture graph based on their answers.

2. Reading a Picture Graph:

- a. Show students a simple picture graph and ask them questions like:
 - i. "How many students like apples?"
 - ii. "Which fruit is the most popular?"

3. Make a Picture Graph at Home:

- a. Encourage students to make a picture graph at home with items like their toys or snacks.

Conclusion

Picture graphs are a simple and fun way to show information using pictures. By looking at the graph, we can quickly see which items are the most or least common. Students will enjoy making and reading picture graphs as they start to understand how to organize data.