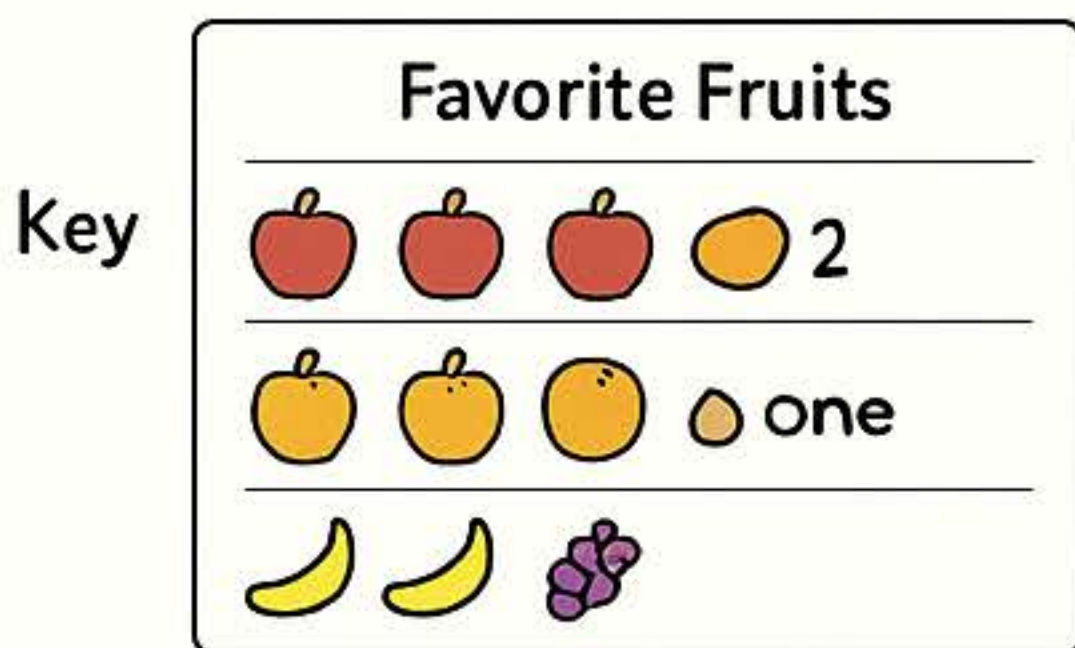


## 3rd Grade Study Guide:

# How to Read Graphs

### 1 Picture Graphs (Pictographs)

Use pictures or symbols to show data. Each picture can stand for one or more items.

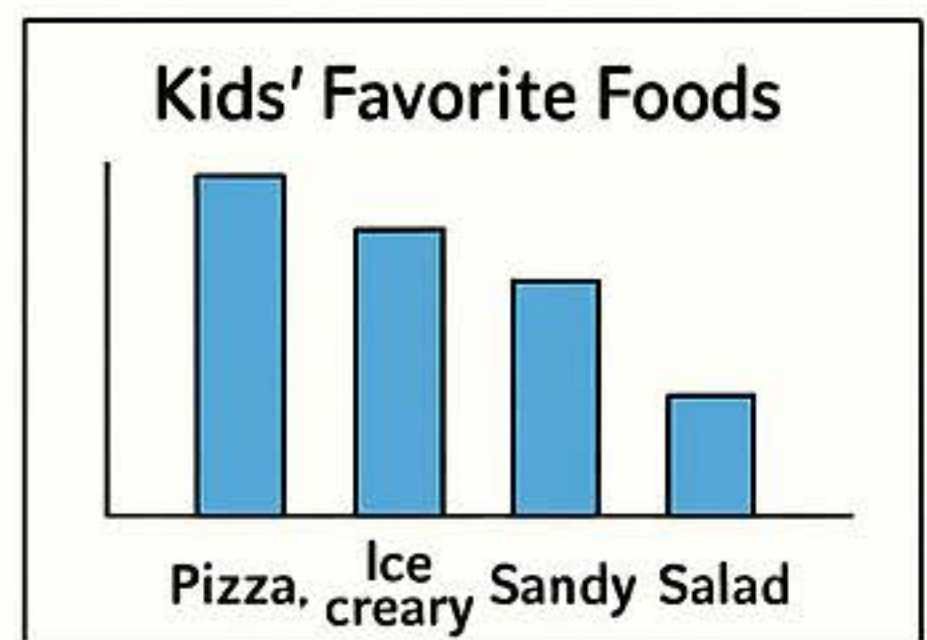


#### 1 Look to read a picture graph:

1. **Look at the title** — What is the graph about?
2. **Check the key** — What does each picture mean?
3. **Count the pictures** to find out the total.
4. **Compare rows** to see which has more or fewer.

### 2 Bar Graphs

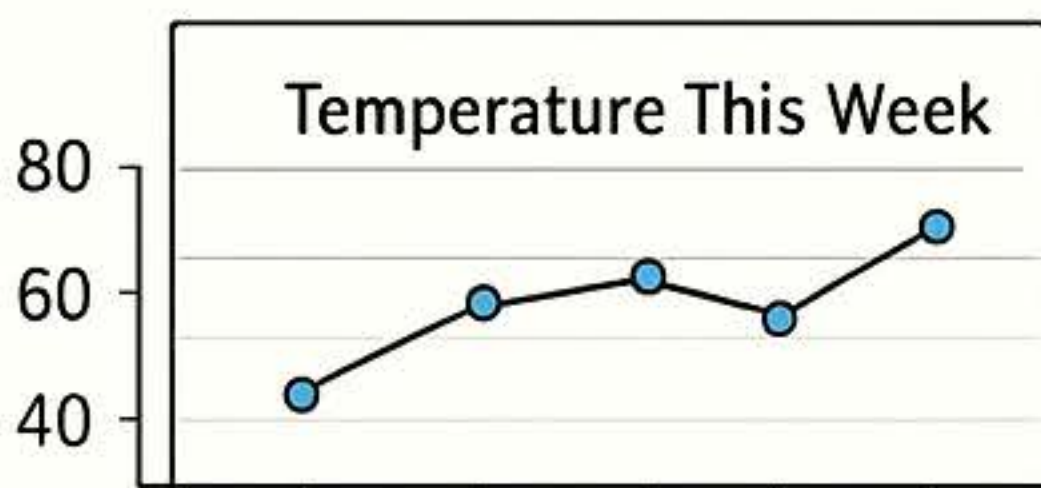
Use bars (rectangles) to show data. Bars can go up and down (vertical) or side to side or horizontal.



1. **Read the title** — What information is shown?
2. **Look at the labels** — What do the bars stand for?
3. **Check the numbers** (scale) on the side or bottom.
4. **Compare bars** to answer questions like "Which has the most? Which has the least?"

### 3 Line Graphs

Use dots connected by lines to show how something changes over time.



### ★ Study Tips

- Always read the title, labels, and key first.
- Ask: "What is the graph trying to show me?"
- Look for the biggest and smallest values. Compare to see differences.