

Class Survey Graphs

2nd Grade Math Project · Data & Surveys

Grade 2 · Advanced

Name: Date: Class:

The Challenge

What is our class's favorite fruit? Collect anonymous votes, graph them, and report what you find.

You will make: Survey Graph Poster

I can…

- I can make a picture graph and a bar graph with a scale of 1.
- I can read a graph.
- I can solve problems with data from a graph.

Materials

- Pencil
- Crayons
- Graph frames

Steps

1. Part 1: Tally Chart
2. Part 2: Picture Graph
3. Part 3: Bar Graph
4. Part 4: Questions
5. Part 5: Graph Check
6. Check your work and share your survey graph poster.

Part 1: Tally Chart

Here are the class votes for a favorite fruit (or use your own anonymous votes).

Fruit	Votes
apple	14
banana	9
grape	17
pear	6

1. How many votes are there in all?

Part 2: Picture Graph

Make a picture graph. Each picture stands for 1 vote.

2. How many pictures go in the apple row?

3. Which fruit has the most votes?

Part 3: Bar Graph

Make a bar graph with a scale of 1.

4. How tall is the bar for banana?

5. What does the graph need besides bars?

Part 4: Questions

Use your graph.

6. How many more votes for grape than pear?

7. How many votes for apple and banana together?

Part 5: Graph Check

Explain your thinking.

8. Leo says grape has 18 votes because he counted the line at 0. What is wrong?

9. Write a two-step question about the graph and answer it.

Extension Challenge

Three more votes for the fruit with the fewest votes come in. Does it still have the fewest?

How your project will be scored

Learning target	4 Exceeds	3 Meets	2 Approaching	1 Beginning
I can make a picture graph and a bar graph with a scale of 1.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can read a graph.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can solve problems with data from a graph.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can explain my thinking with pictures, numbers and words.	Clear for every part	Clear for most parts	Some explanation	Little explanation
My survey graph poster is complete and matches my math.	Complete, neat, accurate	Complete	Partly complete	Not complete