LESSON MAKER PRO

# Vote and Tally

*Choose needed data, collect real votes, and tally the choices.*

**GRADE 2 · 2.PS.1.b**

**2.PS.1.b** "Determine the data needed to answer a posed question and collect the data using various methods (e.g., voting; creating lists, tables, or charts; tallying)."

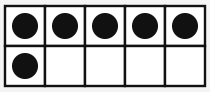
NAME _____ DATE _____

## ASK, COLLECT, COUNT

First, decide what information will answer the question. You can collect choices by voting, making a list, or using tally marks. Then count the data.

### WORKED EXAMPLE

A class asks, "How many children choose red for a class flag?" Each dot shows a red vote.



1. Find the needed data: red votes.
2. Count the dots: 6.
3. The class collected votes.

**Answer: 6 children choose red.**

## PRACTICE 4 problems

**1** Nia asks, "Which animal should be our class mascot?" What data should she collect? How can she collect it?

**ANSWER** _____

**2** Four children choose soccer. Three choose jump rope. Which game has more votes?

**ANSWER** _____

**3** Omar wants to know how many children bring lunch. He writes "lunch" or "no lunch" for each child. What is his list collecting?

**ANSWER** _____

**4** Tia asks 7 friends, "Do you like pears?" She makes tally marks for yes and no. What data is she collecting?

**ANSWER** _____

## APPLY IT Show your work

**1** The robot club voted for an after-school activity. Use the chart. Which activity got the most votes? How many votes did it get?

**ROBOT CLUB VOTE**

| Activity | Votes |
|---|---|
| Robots | 8 |
| Coding | 5 |
| Art | 2 |

**ANSWER** _____

**2** The pet club asks, "How many members have a fish?" What data should they collect? Name a way to collect it.

WORK SPACE

**ANSWER** _____

**3** Collect real votes. Your teacher will arrange a group of 2 to 5 people. Ask each person once: Which drawing activity would you choose, animals or plants? First write what data you need. Then tally each actual answer in the table and count each total. Write how many people answered. Do the two totals add to that number? Explain.

**OUR ACTUAL VOTES**

| Choice | Tallies | Total |
|---|---|---|
| Animals | | |
| Plants | | |

**ANSWER** _____

## CHALLENGE One step up

A class asks, “Which new ball should we buy?” Leo asks 2 friends. Is that enough data to answer for the class? Explain what data he should collect.

WORK SPACE AND ANSWER

**ANSWER KEY**

# Vote and Tally

**GRADE 2 · 2.PS.1.b**

## PART 1 · PRACTICE

| # | PROBLEM | ANSWER |
|---|---|---|
| 1 | Nia asks, "Which animal should be our class mascot?" What data should she collect? How can she collect it? | **Each student's animal choice; take a vote.** |
| 2 | Four children choose soccer. Three choose jump rope. Which game has more votes? | **Soccer.** |
| 3 | Omar wants to know how many children bring lunch. He writes "lunch" or "no lunch" for each child. What is his list collecting? | **Whether each child brings lunch.** |
| 4 | Tia asks 7 friends, "Do you like pears?" She makes tally marks for yes and no. What data is she collecting? | **Each friend's yes or no answer.** |

## PART 2 · APPLY IT

1. **Robots, 8 votes.** Compare the vote numbers in the chart. Eight is the greatest number.
2. **Each member's fish answer; ask each member and tally yes and no.** They need to know whether each member has a fish. Asking members and making tally marks collects the data.
3. **Answers depend on the actual votes. Needed data: each group member's choice. The animals total plus the plants total equals the number who answered.** Check one recorded choice per respondent and matching tallies/totals. For example only, 2 animals votes and 3 plants votes total 5 respondents; different actual results, including ties, are valid.

## CHALLENGE

**No. He should collect every classmate's ball choice, such as with a class vote.**

Accept equivalent wording for the needed data and collection method. For the challenge, accept an answer that says to ask the whole class and record each choice. Before Apply 3, arrange 2 to 5 willing classmates or adults who can answer the stated question. Read the question or scribe as needed, but the learner asks or communicates the question and records actual responses. Check the collection as well as the two sums; invented votes do not complete this task.