

Data Detectives

Sort choices and show what you find.

GRADE 2 • MA.2.DP.1.1

MA.2.DP.1.1 "Collect, categorize and represent data using tally marks, tables, pictographs or bar graphs. Use appropriate titles, labels and units."

NAME _____

DATE _____

SHOW YOUR DATA

First collect each answer. Put matching answers together in a tally table, pictograph, or bar graph. Give your display a title, category labels, and a label for what you counted.

WORKED EXAMPLE

Four children choose apples, one chooses bananas, and three choose grapes. Make a tally table.

1. Write the title: Fruit Choices.
2. Tally apples: ||||.
3. Tally bananas: |.
4. Tally grapes: |||.

Answer: Fruit Choices

Fruit	Number of Children
Apples	4
Bananas	1
Grapes	3

PRACTICE 4 problems

- 1** Toy votes: robot, puzzle, robot, robot, robot, puzzle, robot. Make a tally table titled Toy Votes.

ANSWER _____

- 2** A pet chart shows Hamsters: ||||/. How many hamsters are there?

ANSWER _____

- 3** A graph shows 2 red kites and 5 blue kites. Write this side label: Number of ____.

ANSWER _____

- 4** Nia's shell chart has ○ = 2 shells. The crab row has ○ ○ ○. How many shells are in the crab row?

ANSWER _____

APPLY IT Show your work

- 1** At recess, 6 children choose jump rope. 2 children choose chalk. Make a tally table titled Recess Choices. Label the columns Activity and Number of Children.

WORK SPACE

ANSWER _____

- 2** Maya has 5 star stickers and 2 heart stickers. Make a pictograph titled Sticker Picks. Use ○ = one sticker.

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

The pet club counts 6 fish, 5 cats, and 2 turtles. Make a table titled Pet Club Pets. Label the columns Pet and Number of Pets.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Toy votes: robot, puzzle, robot, robot, robot, puzzle, robot. Make a tally table titled Toy Votes.	Toy Votes Toy Number of Votes Robot / 5 Puzzle 2
2	A pet chart shows Hamsters: . How many hamsters are there?	5 hamsters
3	A graph shows 2 red kites and 5 blue kites. Write this side label: Number of ____.	kites
4	Nia's shell chart has ○ = 2 shells. The crab row has ○ ○ ○. How many shells are in the crab row?	6 shells

PART 2 • APPLY IT

- Recess Choices Activity | Number of Children Jump rope | ||||/ 6 Chalk | || 2** Tally the 6 jump rope choices and the 2 chalk choices. Include the given title and labels.
- Sticker Picks Sticker | Number of Stickers Star | ○ ○ ○ ○ ○ Heart | ○ ○** Draw 5 circles for star stickers and 2 circles for heart stickers. The key shows that each circle means one sticker.

CHALLENGE

Pet Club Pets Pet | Number of Pets Fish | 6 Cats | 5 Turtles | 2

Accept tally marks grouped in fives, such as ||||/ for 5. Accept equivalent clear tables or pictographs when titles, category labels, and units are included.