

Data Detectives

Read information and solve everyday questions.

GRADE 2 • 2.MDR.5.4

2.MDR.5.4 "Ask questions and answer them based on gathered information, observations, and appropriate graphical displays to solve problems relevant to everyday life."

NAME _____

DATE _____

READ AND COMPARE DATA

Use the numbers in a graph, table, or count to answer a question. Find the numbers you need, then add or compare them.

WORKED EXAMPLE

Use the picture graph. Which snack got the most votes? How many more votes did it get than pear?

1. Apple has 7 votes. Pear has 5 votes.
2. $7 - 5 = 2$.
3. Apple has the most votes.

Answer: Apple got the most votes. It got 2 more votes than pear.

Snack Votes

Apple	• • • • • • •
Pear	• • • • •
Banana	• • •

Key: • Each dot = 1 vote

PRACTICE 4 problems

- 1** Noah counted 10 dogs and 6 cats at an animal shelter. How many fewer cats than dogs?

ANSWER _____

- 2** At recess, 8 children chose swings. 1 child chose the sandbox. Which place did more children choose?

ANSWER _____

- 3** Ava sorted 9 red crayons and 1 blue crayon. How many crayons did Ava sort?

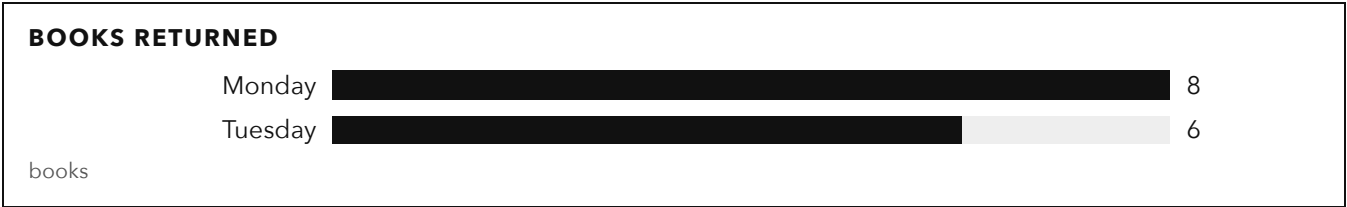
ANSWER _____

- 4** A toy store counted 10 scooters and 4 bikes. How many more scooters than bikes? Which toy has fewer?

ANSWER _____

APPLY IT Show your work

- 1** Use the bar graph. Write a question that asks how many books were returned in all. Then answer your question.



ANSWER _____

- 2** Use the same Books Returned graph. Ask a question comparing the two days. Answer it and tell how you know.

WORK SPACE

ANSWER _____

CHALLENGE One step up

During a nature walk, the class counted 6 ladybugs, 8 ants, and 6 worms. Which groups had the same count? Explain how you know.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Noah counted 10 dogs and 6 cats at an animal shelter. How many fewer cats than dogs?	4 fewer cats
2	At recess, 8 children chose swings. 1 child chose the sandbox. Which place did more children choose?	swings
3	Ava sorted 9 red crayons and 1 blue crayon. How many crayons did Ava sort?	10 crayons
4	A toy store counted 10 scooters and 4 bikes. How many more scooters than bikes? Which toy has fewer?	6 more scooters; bikes have fewer

PART 2 • APPLY IT

1. **Example: How many books were returned on Monday and Tuesday altogether? 14 books.** $8 + 6 = 14$. Accept an equivalent total question.
2. **Example: How many more books were returned on Monday? 2 more books.** $8 - 6 = 2$. Accept other correct comparison questions and answers.

CHALLENGE

Ladybugs and worms had the same count. Each group had 6.

Accept answers with or without the unit when the number is correct. For the challenge, accept any clear explanation that identifies ladybugs and worms and states that both counts are 6.