LESSON MAKER PRO

Read the Data

Use tables and graphs to solve problems.

GRADE 3 · 3.D.1.2

3.D.1.2 "Solve one- and two-step problems using categorical data represented with a frequency table, pictograph, or bar graph with scaled intervals."

NAME _____ DATE _____

COUNT, THEN SOLVE

A table shows the number for each group. On a pictograph, use the key to find what each symbol stands for. On a scaled bar graph, read the number at the end of each bar, then add or subtract to answer the question.

WORKED EXAMPLE

How many more star stickers are there than moon stickers?

Sticker Collection

Stars	★★★
Moons	★★

Key: ★ = 5 stickers

1. Each symbol stands for 5 stickers.
2. Stars: 3 x 5 = 15. Moons: 2 x 5 = 10.
3. 15 - 10 = 5.

Answer: 5 more star stickers

PRACTICE 6 problems

1 How many mystery and comic books are there altogether?

BOOKS ON A SHELF

Type	Books
Mystery	8
Comics	11
Sports	9

ANSWER _____

2 How many more students chose swings than slides?

FAVORITE PLAYGROUND SPOTS



2 students per tick

ANSWER _____

3 How many space and sports books are shown altogether?

Library Books

Space	■ ■ ■ ■
Sports	■ ■ ■ ■ ■ ■
Animals	■ ■ ■ ■ ■ ■ ■

Key: ■ = 4 books

ANSWER _____

4 How many more votes did cats and fish get together than dogs?

FAVORITE PETS

Pet	Votes
Cats	13
Dogs	17
Fish	11

ANSWER _____

5 How many fewer points did Team Blue score than Team Green?

GAME SCORES



4 points per tick

ANSWER _____

6 How many more pencils are blue and green together than red?

Pencils by Color

Blue	● ● ● ● ●
Green	● ● ● ●
Red	● ● ● ● ● ● ●

Key: ● = 2 pencils

ANSWER _____

APPLY IT Show your work

1 Students voted for a game to play at recess. How many more students chose tag and jump rope together than soccer?

RECESS GAME VOTES



4 students per tick

ANSWER _____

2 A class voted on snacks for a picnic. How many more students chose cheese sticks and grapes together than apple slices?

PICNIC SNACK VOTES

Snack	Votes
Apple slices	18
Cheese sticks	13
Grapes	16

ANSWER _____

CHALLENGE One step up

Sam says tag and jump rope together got more than twice as many votes as soccer. Is Sam correct? Explain using numbers from the graph.

Another Recess Vote

Tag	◆ ◆ ◆
Jump rope	◆ ◆ ◆ ◆
Soccer	◆ ◆ ◆ ◆ ◆

Key: ◆ = 4 votes

WORK SPACE AND ANSWER

ANSWER KEY

Read the Data

GRADE 3 · 3.D.1.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	How many mystery and comic books are there altogether?	**19 books**
2	How many more students chose swings than slides?	**8 students**
3	How many space and sports books are shown altogether?	**40 books**
4	How many more votes did cats and fish get together than dogs?	**7 votes**
5	How many fewer points did Team Blue score than Team Green?	**12 points**
6	How many more pencils are blue and green together than red?	**4 pencils**

PART 2 · APPLY IT

1. **4 students** Tag and jump rope received 16 + 12 = 28 votes. Then 28 - 24 = 4.
2. **11 students** Cheese sticks and grapes received 13 + 16 = 29 votes. Then 29 - 18 = 11.

CHALLENGE

No. Tag and jump rope got 12 + 16 = 28 votes together, but twice soccer's 20 votes is 40.

Accept answers with or without units when the number is clear. For the challenge, accept any explanation that correctly compares 28 votes with 40 votes.