LESSON MAKER PRO

Picture Graph Detectives

Use a key to read and make picture graphs.

GRADE 2 · 2.PS.1.c

2.PS.1.c "Organize and represent a data set using a pictograph where each symbol represents up to 2 data points. Determine and use a key to assist in the analysis of the data."

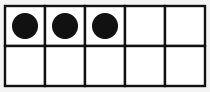
NAME _____ **DATE** _____

USE THE KEY

A key tells what each symbol means. Count the symbols, then add the same amount for each symbol.

WORKED EXAMPLE

Look at the dot picture. Key: Each dot = 1 seed. How many seeds are shown?

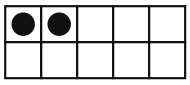


1. Count 3 dots.
2. Each dot means 1 seed.
3. 3 groups of 1 = 3.

Answer: 3 seeds

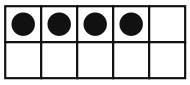
PRACTICE 4 problems

1 Look at the dot picture. Key: Each dot = 2 toy cars. How many toy cars are shown?



ANSWER _____

2 Look at the dot picture. Key: Each dot = 2 cookies. How many cookies are shown?



ANSWER _____

3 A picture graph shows 5 heart symbols. Key: Each heart = 2 stickers. How many stickers are shown?

ANSWER _____

4 A key says each star = 2 books. A row stands for 12 books. How many star symbols should be in the row?

ANSWER _____

APPLY IT Show your work

1 Look at the picture graph. How many ladybugs are shown?

Bugs in the Garden

Ants	● ●
Beetles	● ● ● ●
Ladybugs	● ● ● ● ●

Key: ● = 2 bugs

ANSWER _____

2 At game club, 8 children choose puzzles. 4 children choose blocks. Make a pictograph. Use the key: Each triangle = 2 children.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A toy pictograph has 5 star symbols for 10 kites. The key is missing. What should the key say? Explain.

WORK SPACE AND ANSWER

ANSWER KEY

Picture Graph Detectives

GRADE 2 · 2.PS.1.c

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Look at the dot picture. Key: Each dot = 2 toy cars. How many toy cars are shown?	**4 toy cars**
2	Look at the dot picture. Key: Each dot = 2 cookies. How many cookies are shown?	**8 cookies**
3	A picture graph shows 5 heart symbols. Key: Each heart = 2 stickers. How many stickers are shown?	**10 stickers**
4	A key says each star = 2 books. A row stands for 12 books. How many star symbols should be in the row?	**6 star symbols**

PART 2 · APPLY IT

1. **10 ladybugs** Count 5 symbols in the Ladybugs row. Each symbol means 2 bugs, so 5 groups of 2 is 10.
2. **Puzzles: 4 triangle symbols; Blocks: 2 triangle symbols.** Use 4 symbols for 8 children and 2 symbols for 4 children.

CHALLENGE

Each star = 2 kites. Five groups of 2 kites make 10 kites.

Accept correct symbol drawings in the second word problem. For the challenge, accept any clear explanation that each of 5 symbols represents 2 kites.