LESSON MAKER PRO

Graph Detectives

Read bars and pictures to find how many.

GRADE 2 · 2.D.1.1

2.D.1.1 "Explain that the length of a bar in a bar graph and the number of objects in a pictograph represents the number of data points for a given category."

NAME _____ DATE _____

WHAT THE GRAPH SHOWS

In a bar graph, a longer bar shows more answers. Read where the bar ends to find how many. In a pictograph, use the key and count the pictures in a row.

WORKED EXAMPLE

How many children chose tag?

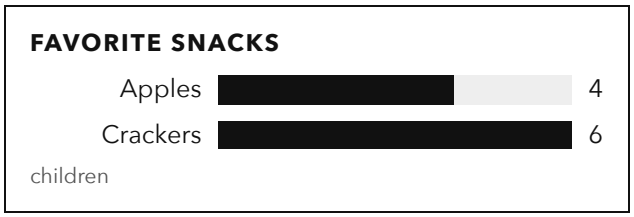


1. Find the bar for Tag.
2. Read the number where the bar ends: 8.

Answer: 8 children

PRACTICE 5 problems

1 How many children chose apples?



ANSWER _____

2 How many children chose cats?

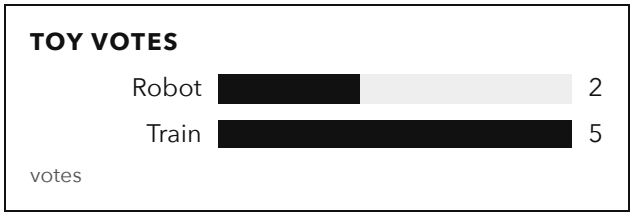
Favorite Pets

Cats	● ● ●
Fish	● ● ● ● ●

Key: ● = 1 child

ANSWER _____

3 How many votes did the robot toy get?



ANSWER _____

4 How many children chose painting?

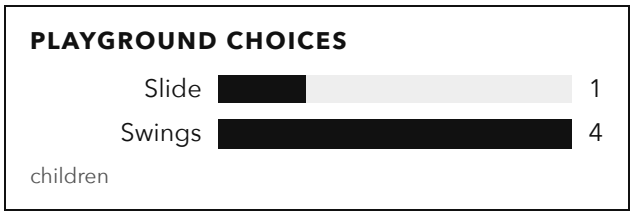
Art Choices

Painting	★★★★★★
Clay	★★

Key: ★ = 1 child

ANSWER _____

5 How many children chose the slide?



ANSWER _____

APPLY IT Show your work

1 Your class voted on a book to read aloud. How many children voted for the space book?

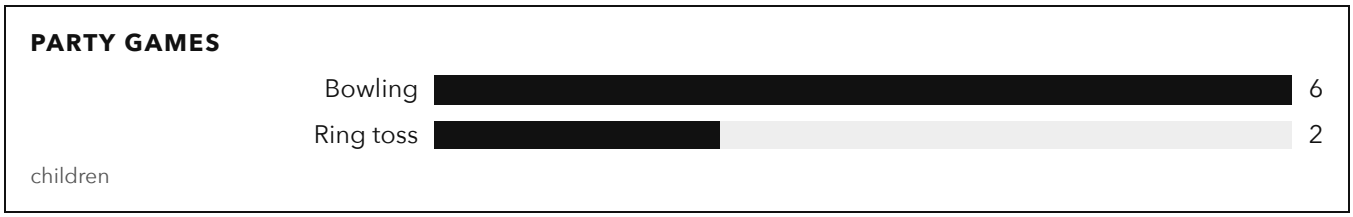
Read-Aloud Votes

Space	■ ■ ■ ■ ■
Dinosaurs	■ ■ ■

Key: ■ = 1 child

ANSWER _____

2 At a class party, children picked a game. How many children picked bowling?



ANSWER _____

CHALLENGE One step up

Ari says 2 children chose puppets because its bar is 2 spaces longer than the blocks bar. Is Ari right? Tell how many children chose puppets.



WORK SPACE AND ANSWER

ANSWER KEY

Graph Detectives

GRADE 2 · 2.D.1.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	How many children chose apples?	**4 children**
2	How many children chose cats?	**3 children**
3	How many votes did the robot toy get?	**2 votes**
4	How many children chose painting?	**6 children**
5	How many children chose the slide?	**1 child**

PART 2 · APPLY IT

1. **5 children** Count the five pictures in the Space row. The key says each picture stands for one child.
2. **6 children** The Bowling bar ends at 6, so six children picked bowling.

CHALLENGE

No. The Puppets bar shows 5 children. It is 2 more than the Blocks bar.

Accept answers with the correct number even if the unit is omitted. For the challenge, accept any explanation that distinguishes the Puppets total of 5 from the difference of 2.