

Chart Clues

Read data. Tell what it shows.

GRADE 2 • 2.PS.1.e.ii

2.PS.1.e.ii "Analyze data represented in pictographs and bar graphs and communicate results: draw conclusions about the data and make predictions based on the data."

NAME _____

DATE _____

READ THE DATA

Count the pictures or bars. Compare the amounts to tell what happened and what may happen next.

WORKED EXAMPLE

Toy chart. Each dot means one vote. Trains: ●●●● Dolls: ●.

Which toy is a new child most likely to choose?

1. Count 4 train votes.
2. Count 1 doll vote.
3. Trains have more votes.

Answer: Trains

PRACTICE 4 problems

- 1** Balloon chart. Each dot means one balloon. Red: ●●●●● Blue: ●●. Which color has more balloons?

ANSWER _____

- 2** Bar graph. Cats: ||||| Dogs: |||. How many more votes did cats get?

ANSWER _____

- 3** Fruit chart. Each dot means one vote. Apples: ●●●●●● Pears: ●●. Which fruit got the fewest votes?

ANSWER _____

- 4** Snack bar graph. Crackers: ||||| Grapes: |||||. A new student chooses a snack. Which snack is more likely?

ANSWER _____

APPLY IT Show your work

- 1** At a pet shelter, a bar graph shows Puppies: ||||| and Rabbits: ||. How many more people want to visit puppies?

WORK SPACE

ANSWER _____

- 2** A class book chart shows Space: |||||, Sports: ||, and Animals: |||||. The librarian buys a book about the topic a new student is most likely to choose. What topic should she choose?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Activity chart. Each dot means one vote. Kites: ●●●●● Balls: ●● Hoops: ●●●. Which two activities have as many votes as kites? Explain.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Balloon chart. Each dot means one balloon. Red: ●●●●● Blue: ●●. Which color has more balloons?	Red
2	Bar graph. Cats: Dogs: . How many more votes did cats get?	6
3	Fruit chart. Each dot means one vote. Apples: ●●●●● Pears: ●●. Which fruit got the fewest votes?	Pears
4	Snack bar graph. Crackers: Grapes: . A new student chooses a snack. Which snack is more likely?	Crackers

PART 2 • APPLY IT

- 5** There are 7 puppy bars and 2 rabbit bars. $7 - 2 = 5$.
- Space** Space has the longest bar, with 7 choices. It is the most likely topic.

CHALLENGE

Balls and hoops. $2 + 3 = 5$.

Accept answers that name the correct category. For the challenge, accept any clear explanation that balls and hoops together equal the kite votes.