Dot Graph Detectives

Students count and compare dot groups that represent data categories.

K.PS.1.g.i "Analyze data represented in object graphs and picture graphs and communicate results: ask and answer questions about the data represented in object graphs and picture graphs (e.g., how many in each category..."

NAME _____ DATE _____

Teacher: this page is run aloud. The script and answers are on the guide page.

1 READ AND ASK

Sample activity choices

Key: ● = one observation. Each row starts at the same line.

Category	Observations
Reading	● ● ● ● ● ● ●
Drawing	● ● ● ● ● ● ● ● ●
Singing	● ● ●

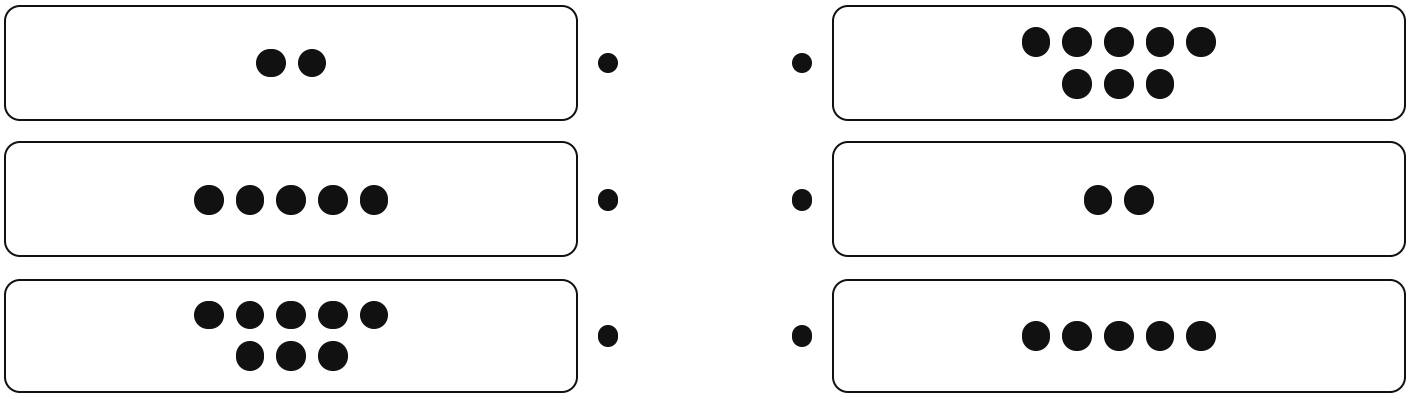
My question / partner answer: _____

Reading

Greatest

Least

2 MATCH AMOUNTS



ANSWER KEY

Dot Graph Detectives

KINDERGARTEN · K.PS.1.g.i

HOW TO RUN THIS PAGE

Use the labeled sample class-choice picture graph below. Read aloud and scribe the child's own question and partner's response. Dots represent votes; they are picture symbols, not an object graph.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

PART 1 · READ AND ASK

SAY "Count the votes for Reading. Which activity has the greatest count? Which has least? Then ask a partner your own question about this graph and check the answer from the dots."

- Box 1 (beside Reading): **7**
- Box 2 (beside Greatest): **Drawing:9**
- Box 3 (beside Least): **Singing:3**

PART 2 · MATCH AMOUNTS

SAY "Count the dot groups on the left and on the right. Which group on the right has the same amount as each group on the left? Can you draw a line to match each pair? Tell why each matched pair is equal."

- **2 dots** matches **2 dots**
- **5 dots** matches **5 dots**
- **8 dots** matches **8 dots**

WHAT TO ACCEPT

Graph answersReading7,Drawing9greatest,Singing3least. Record an answerable child-generated question and correct partner response. Part2matches2,5,8 remain.