

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 COUNT AND COMPARE

a		6	7	8
b				
c				

2 MATCH AMOUNTS

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HOW TO RUN THIS PAGE

Explain that each dot group is one category in a small object graph. Read each question aloud, let students count the dots, and have them mark their answers. Listen for students who can explain which group has more, less, or the same amount.

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

PART 1 • COUNT AND COMPARE

SAY “Each dot group is a category in a tiny dot graph. Count the dots as I read each question. Can you circle one answer for each question?”

ROW	SAY	STUDENTS CIRCLE
a	How many dots are in this category?	7
b	Which dot group has the greatest amount?	9 dots
c	Which dot group has the least amount?	3 dots

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?”

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

WHAT TO ACCEPT

Part 1 answers are 7, the group with 9 dots, and the group with 3 dots. Part 2 matches 2 to 2, 5 to 5, and 8 to 8.