

Shape Dot Detectives

Students read a simple shape-and-dot graph, compare totals, and predict changes.

K.PS.1.g.ii "Analyze data represented in object graphs and picture graphs and communicate results: draw conclusions about the data and make predictions based on the data."

NAME _____

DATE _____

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

1 CIRCLE IT _____

a			4	5
b	4			2
c	2			3
d	2			1

2 WRITE IT _____

	
	

HOW TO RUN THIS PAGE

Read the Part 1 questions aloud one at a time. In each row, the shape and dot group show graph data, and the numbers are answer choices. Listen for whether students can use the dot data to tell what happened and what will happen next.

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

PART 1 • CIRCLE IT

SAY “Each row has a shape and a group of dots that show graph data. The numbers are choices. Listen to each question, then circle one number.”

ROW	SAY	STUDENTS CIRCLE
a	Look at the circle row. Which number tells how many dots are in that row?	5
b	Look at the square row. If one dot joins the square row, which number will show how many dots there are?	4
c	Look at the triangle row. If two dots join the triangle row, which number will show how many dots there are?	3
d	Compare the circle row and the square row. How many more dots are in the circle row?	2

PART 2 • WRITE IT

SAY “Look back at the graph. In the box beside the square, if two dots leave the square row, what number is left? In the box beside the triangle, if one dot joins the triangle row, what number will show how many dots there are? Write each number.”

- Box 1 (beside square): **1**
- Box 2 (beside triangle): **2**

WHAT TO ACCEPT

Part 1 answers are 5, 4, 3, and 2. Part 2 answers are 1 beside the square and 2 beside the triangle; accept recognizable numerals.