Dot Stack Survey

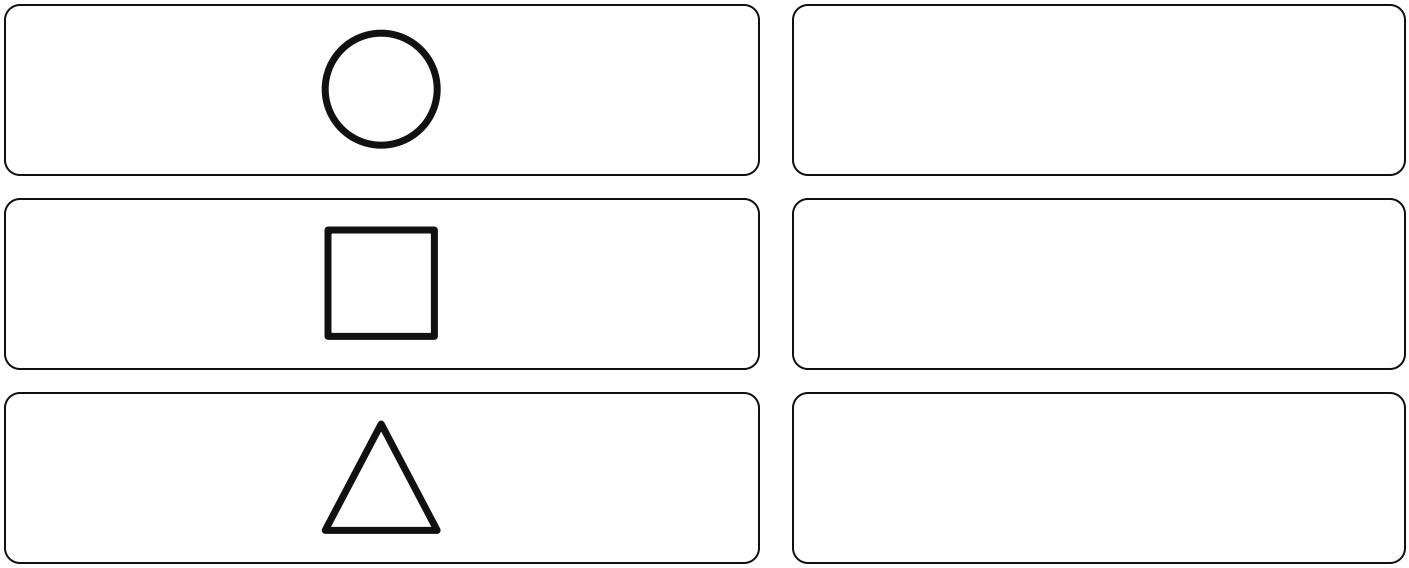
Turn spoken survey results into a horizontal picture graph.

K.PS.1.f "Organize and represent a data set (vertically or horizontally) using pictures to form a simple picture graph."

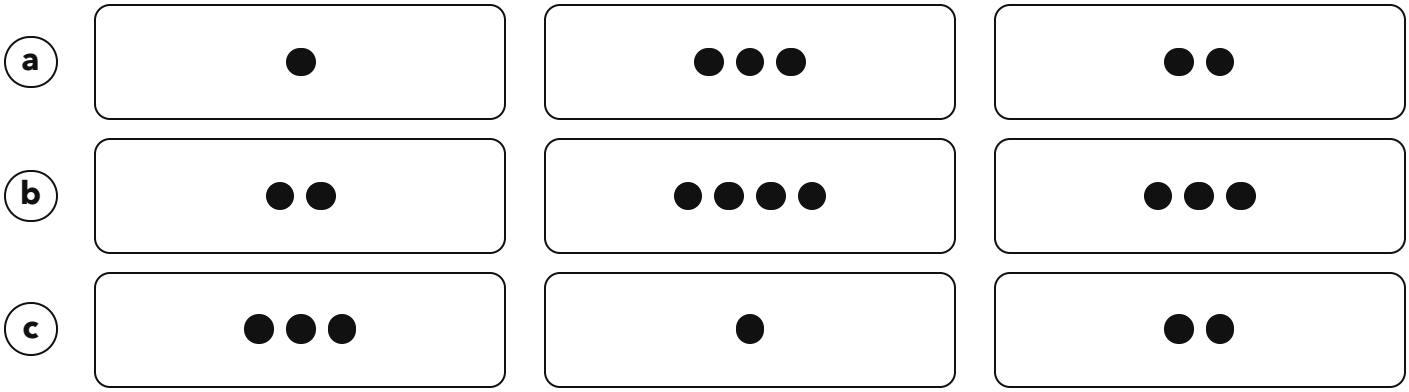
NAME _____ DATE _____

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

1 MAKE GRAPH



2 READ GRAPH



ANSWER KEY

Dot Stack Survey

KINDERGARTEN · K.PS.1.f

HOW TO RUN THIS PAGE

Read the short survey aloud, then have students make one horizontal row of equally spaced dot pictures for each shape category. Each dot stands for one child, so students organize the data by placing the correct number of dots in the matching box. Start every row at the same left baseline and use the same spacing so lengths can be compared.

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

PART 1 · MAKE GRAPH

SAY "Listen to our shape survey: three children chose circles, two children chose squares, and one child chose triangles. Each dot you draw is one child. Can you put the right number of dots in each shape box, starting at the same left edge in each box and spacing dots equally from left to right?"

- Box 1 (beside circle): **3 equally spaced dots in a horizontal row**
- Box 2 (beside square): **2 equally spaced dots in a horizontal row**
- Box 3 (beside triangle): **1 dot**

PART 2 · READ GRAPH

SAY "Look at the dot rows you made. I will read the choices in each row. Can you circle the dots that show how many are in that shape box?"

ROW	SAY	STUDENTS CIRCLE
a	Look at your circle box. Do you see one dot, three dots, or two dots? Circle the dots that show how many are in the circle box.	**3 dots**
b	Look at your square box. Do you see two dots, four dots, or three dots? Circle the dots that show how many are in the square box.	**2 dots**
c	Look at your triangle box. Do you see three dots, one dot, or two dots? Circle the dots that show how many are in the triangle box.	**1 dots**

WHAT TO ACCEPT

Accept three equally spaced dots in a horizontal row for circles, two for squares, and one for triangles. Circle-row answers are 3, 2, and 1, with answer indexes 1, 0, and 1.