

Dot Stack Survey

Students turn spoken survey results into a simple vertical picture graph.

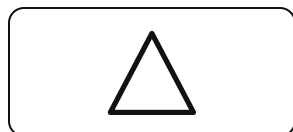
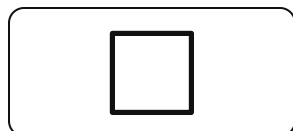
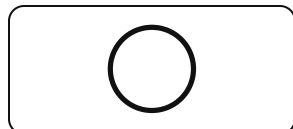
K.PS.1.f "Organize and represent a data set (vertically or horizontally) using pictures to form a simple picture graph."

NAME _____

DATE _____

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

1 MAKE GRAPH _____



2 READ GRAPH _____

a	●	● ● ●	● ●
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b	● ●	● ● ● ●	● ● ●
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c	● ● ●	●	● ●
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HOW TO RUN THIS PAGE

Read the short survey aloud, then have students make one vertical stack of 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.

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, stacking them from bottom to top?”

- Box 1 (beside circle): **3 dots stacked vertically**
- Box 2 (beside square): **2 dots stacked vertically**
- Box 3 (beside triangle): **1 dot**

PART 2 • READ GRAPH

SAY “Look at the dot stacks 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 vertically stacked dots for circles, two for squares, and one for triangles. Circle-row answers are 3, 2, and 1, with answer indexes 1, 0, and 1.