

Shape Sort Graph

Students sort shape data, then trace an object graph that shows each group.

K.PS.1.e "Organize and represent a data set (vertically or horizontally) by sorting concrete objects into organized groups to form a simple object graph."

NAME _____

DATE _____

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

1 SORT SHAPES

a			
b			
c			

2 TRACE GRAPH

	
	

HOW TO RUN THIS PAGE

Model the idea of sorting by placing star tokens in one row and oval tokens in another row. On this sheet, students sort the shape data by group, then represent the sorted groups as horizontal rows of shape objects.

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

PART 1 • SORT SHAPES

SAY “Listen to the shape name in each row. Look at the three shapes, then circle the shape that matches the token. Which shape belongs in the group?”

ROW	SAY	STUDENTS CIRCLE
a	A circle token needs a group. You see a circle, a square, and a triangle. Which shape matches the token? Circle it?	circle
b	A square token needs a group. You see a triangle, a square, and a circle. Which shape matches the token? Circle it?	square
c	A circle token needs a group. You see a square, a triangle, and a circle. Which shape matches the token? Circle it?	circle

PART 2 • TRACE GRAPH

SAY “Look at the shapes you circled. Each box is one group in our graph. How many shape objects belong in each row? Trace the objects to finish the graph.”

- Box 1 (beside circle): ○○
- Box 2 (beside square): □

WHAT TO ACCEPT

Part 1 answers are circle, square, circle. In Part 2, accept two traced circle objects in the circle row and one traced square object in the square row.