Shape Sort Graph

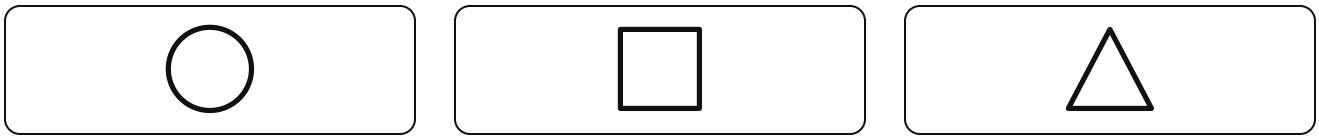
Students sort real shape pieces into an object graph, then trace the matching picture record.

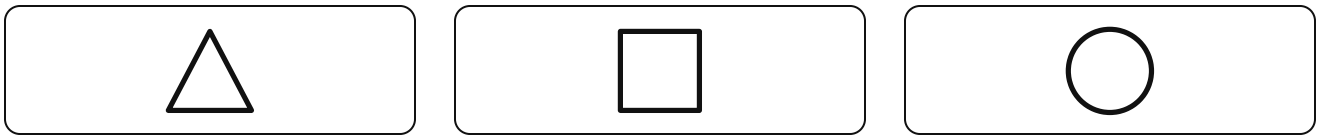
K.PS.1.e "Organize and represent a data set (vertically or horizontally) by sorting concrete objects into organized groups to form a simple object graph."

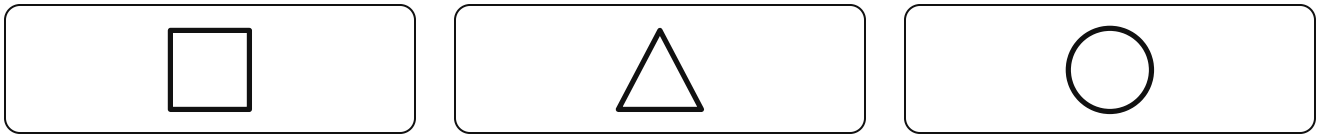
NAME _____ DATE _____

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

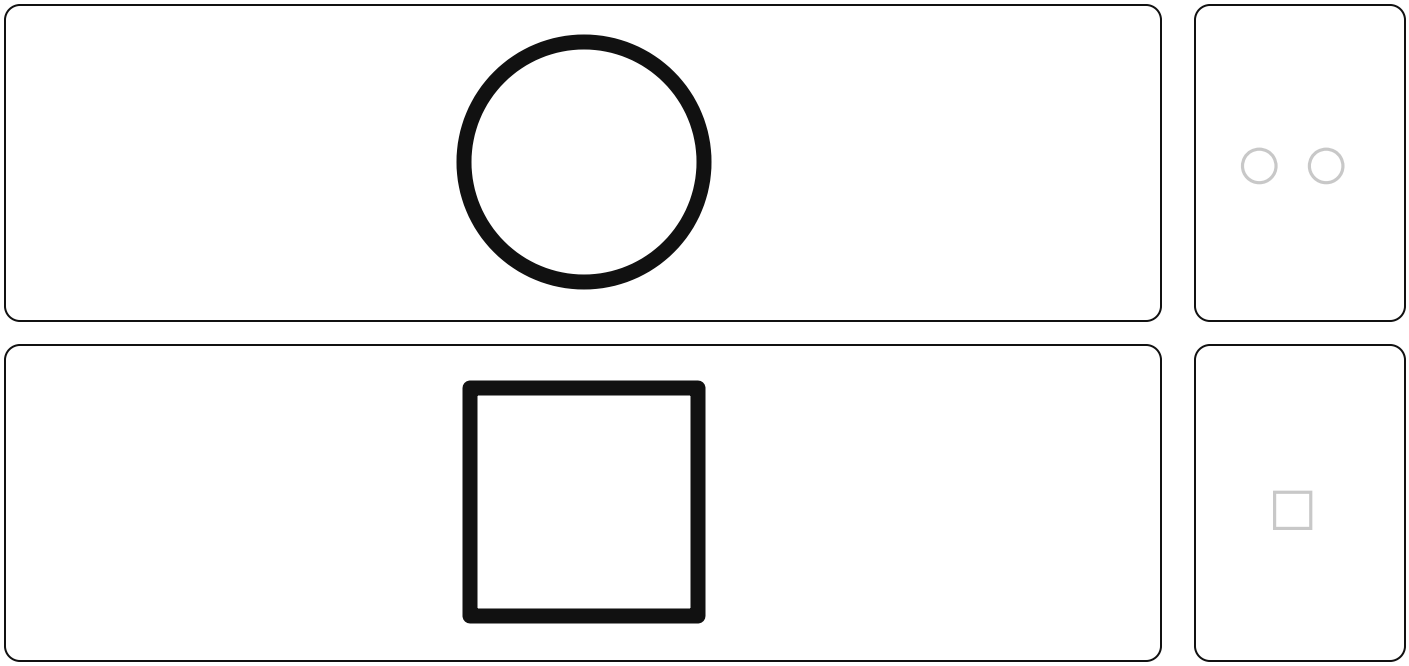
1 SORT SHAPES

a 

b 

c 

2 TRACE GRAPH



ANSWER KEY

Shape Sort Graph

HOW TO RUN THIS PAGE

Model sorting with star tokens in one row and oval tokens in another. Then give each child a mixed set of two same-size circle paper cutouts and one square cutout, plus a blank mat with two parallel horizontal rows labeled by circle and square pictures. Mark a common left start and equal positions spaced farther apart than the pieces. Each child must sort and place their own pieces in the rows before tracing. Read all directions aloud and observe the actual object graph.

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 "Use your three mixed paper pieces now. Put each circle in the circle row and each square in the square row. Start both rows at the same left mark and place one piece at each evenly spaced position. Show me your object graph and count the objects in each row. Then trace the two circles and one square on this page as a picture record."

- 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. Check the child actually sorts the mixed pieces to form two aligned rows: two circles in the circle row and one square in the square row. Count one object per position; both rows start at the same left mark. The actual object graph is required before accepting the traced picture record; an adult may record the child's oral count.