Shape Survey Graph

Students sort three survey answers into a picture graph and read the graph.

K.8 "Data analysis. The student applies mathematical process standards to collect and organize data to make it useful for interpreting information. The student is expected to: collect, sort, and organize data into two or three categories..."

NAME _____ DATE _____

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

1 MAKE OUR PICTURE GRAPH

Key: ● = one actual tile.

Square	
Circle	
Triangle	

2 TELL ABOUT OUR DATA

Most	
Squares	
My idea	

ANSWER KEY

Shape Survey Graph

HOW TO RUN THIS PAGE

Provide a mixed bag of2 square,1 circle and3 triangle tiles. Students collect all pieces and sort by shape. Use a mat with equal spaces and a shared starting line to arrange one object per cell in each category row. Read all directions aloud.

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 OUR PICTURE GRAPH

SAY "After building the real-object graph, draw one picture or dot for each piece in its row. Begin rows at the same left edge. Write each category total."

- Box 1 (beside Square): **2 pictures;2**
- Box 2 (beside Circle): **1 picture;1**
- Box 3 (beside Triangle): **3 pictures;3**

PART 2 · TELL ABOUT OUR DATA

SAY "Which shape has most? How many squares? Tell one other conclusion and point to evidence in both the object graph and your picture graph."

- Box 1 (beside Most): **Triangle**
- Box 2 (beside Squares): **2**
- Box 3 (beside My idea): **Example: circle has fewest,1**

WHAT TO ACCEPT

Observe actual collection,sorting,aligned real-object graph,matching picture graph2/1/3 and supported conclusions. Circled shape clues do not themselves form the required graphs.