Shape Choice Data

Students build a three-category data chart and answer questions about it.

NY-1.MD.4 "Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another."

NAME _____ DATE _____

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

1 MAKE OUR DATA GRAPH

Key: one dot = one vote. My question and answer:

_____

Circle	
Square	
Triangle	

2 ANSWER

a	●●●●●	●●●●	●●
b	10	11	12
c	●●	●●●●	●●●

ANSWER KEY

Shape Choice Data

GRADE 1 · NY-1.MD.4

HOW TO RUN THIS PAGE

Read the sample survey aloud. Children create a three-category representation, then ask and answer questions. Scribe their question; do not supply it for them.

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 DATA GRAPH

SAY "In a sample class vote, 4 children chose circle, 2 chose square and 5 chose triangle. Organize these observations: draw one dot for each vote in the correct row, start at the same line, and write the count. Ask your own question about the data and answer it; I will write it below."

- Box 1 (beside Circle): **4 dots; 4**
- Box 2 (beside Square): **2 dots; 2**
- Box 3 (beside Triangle): **5 dots; 5**

PART 2 · ANSWER

SAY "Use your graph to answer each question. I will read the choices in every row. Can you circle the answer?"

ROW	SAY	STUDENTS CIRCLE
a	The dot groups show 5, 4, and 2. How many children chose a triangle? Circle the dots that show how many.	**5 dots**
b	The numbers are 10, 11, and 12. How many children chose a shape altogether? Circle the number that shows the total.	**11**
c	The dot groups show 2, 4, and 3. How many more children chose a triangle than a square? Circle the dots that show how many more.	**3 dots**

WHAT TO ACCEPT

Student graph counts: circle4,square2,triangle5, one symbol per vote. Require an answerable learner question and correct answer. Part2 remains5dots,11,3dots.