

# 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 GRAPH

|   |                                                                                    |                                                                                    |                                                                                      |
|---|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| a |   |   |   |
| b |   |   |   |
| c |  |  |  |

## 2 READ GRAPH

|   |                                                                                     |                                                                                     |                                                                                       |
|---|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| a |  |  |  |
| b |  |  |  |

**HOW TO RUN THIS PAGE**

Read the three survey clues aloud, one row at a time. Each circled shape is one child's response, so the completed rows form a simple picture graph with three shape categories. Then read the graph questions aloud and have students circle their answers.

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** “The three shapes in every row are circle, square, and triangle. I will tell you about one child's shape choice. Which printed shape matches the child's choice?”

| ROW | SAY                                                                                                      | STUDENTS CIRCLE |
|-----|----------------------------------------------------------------------------------------------------------|-----------------|
| a   | A child picked a shape with four equal sides. Which printed shape matches the child's choice? Circle it. | <b>square</b>   |
| b   | A child picked a round shape with no sides. Which printed shape matches the child's choice? Circle it.   | <b>circle</b>   |
| c   | A child picked a shape with four equal sides. Which printed shape matches the child's choice? Circle it. | <b>square</b>   |

**PART 2 • READ GRAPH**

**SAY** “Now your circles make a picture graph. Each circled shape is one child's answer. Look at your graph and answer each question.”

| ROW | SAY                                                                  | STUDENTS CIRCLE |
|-----|----------------------------------------------------------------------|-----------------|
| a   | Which shape has the most circles in the graph? Circle the shape.     | <b>square</b>   |
| b   | How many children chose squares? Circle the dots that show how many. | <b>2 dots</b>   |

**WHAT TO ACCEPT**

In Make Graph, students should circle square, circle, square. In Read Graph, accept square for the first row and the group of 2 dots for the second row.