Share Size Changes

Students compare equal shares and explain how the number of shares affects their size.

1.G.A.23.b "Explain that decomposing into more equal shares creates smaller shares of circles and rectangles."

NAME _____ DATE _____

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

1 WHAT CHANGES

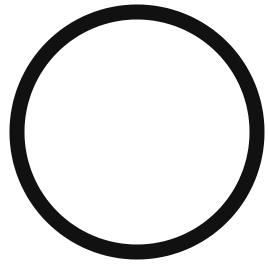
a

same	smaller	bigger

b

bigger	same	smaller

2 CHOOSE SHARES





ANSWER KEY

Share Size Changes

GRADE 1 · 1.G.A.23.b

HOW TO RUN THIS PAGE

Use paper and a pencil to draw two same-size circles, one split into 2 equal shares and one into 4. Draw two same-size rectangles split the same ways. Read the prompts aloud, give students time to look and think, and listen for an explanation that connects more equal shares with smaller shares.

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

PART 1 · WHAT CHANGES

SAY "Look at the shapes I drew on paper. Each pair is the same size, but the shapes have different numbers of equal shares. Circle a word for each question, then tell me why you chose it."

ROW	SAY	STUDENTS CIRCLE
a	Look at the circles. If a circle changes from 2 equal shares to 4 equal shares, what happens to the size of one share?	**smaller**
b	Look at the rectangles. If a rectangle changes from 4 equal shares to 2 equal shares, what happens to the size of one share?	**bigger**

PART 2 · CHOOSE SHARES

SAY "Look at the shape beside each box. I will give you two numbers of equal shares. Write the number that would make smaller shares, then tell me why."

- Box 1 (beside circle): **6, for 4 or 6 equal shares**
- Box 2 (beside rectangle): **8, for 4 or 8 equal shares**

WHAT TO ACCEPT

For the boxes, say: "Circle: 4 or 6 equal shares?" and "Rectangle: 4 or 8 equal shares?" Accept 6 and 8. Listen for students to explain that more equal shares of the same shape make each share smaller, and record any support given separately.