Same Edge, New Unit

Students measure one paper edge twice and explain why the counts differ.

1.GM.2.3 "Measure the same object/distance with units of two different lengths, and describe how and why the measurements differ."

NAME _____ DATE _____

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

1 MEASURE IT

clips	
hands	

2 TELL WHY

a

hands	**same**	**clips**

b

color	**size**	**paper**

ANSWER KEY

Same Edge, New Unit

GRADE 1 · 1.GM.2.3

HOW TO RUN THIS PAGE

Give each student several paper clips. Read the directions aloud and watch students measure the same short edge of their worksheet with paper clips and hand widths. Listen to each student's explanation and record any help given separately.

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

PART 1 · MEASURE IT

SAY "Measure the short edge of this sheet, first with paper clips and then with the width of your hand. Start at the same corner each time and leave no gaps. Count the last clip or hand that reaches the end, even if it sticks out, and write each count in its box."

- Box 1 (beside clips): **The student's count of paper clips needed to reach the end of the short edge.**
- Box 2 (beside hands): **The student's count of hand widths needed to reach the end of the same edge.**

PART 2 · TELL WHY

SAY "Look at the two counts you wrote. After you circle your answers, tell me how the counts are different and why. I will listen to your answer."

ROW	SAY	STUDENTS CIRCLE
a	Which did you need more of to reach the end, hands, the same number of each, or clips? Circle your answer.	**clips**
b	Why are the counts different? Is it the color of the units, the size of the units, or a change in the paper? Circle your answer.	**size**

WHAT TO ACCEPT

Counts depend on the student's sheet, hand, and clips. Accept counts that match the observed measuring, clips for the first circle, and size for the second. Listen for an explanation such as, 'I needed more clips because a clip is shorter than my hand.'