Measure the Book

Students measure one book with two units and compare their counts.

1.GM.2 "Select and use nonstandard and standard units to describe length and volume/capacity. Use nonstandard and standard measuring tools to measure the length of objects..."

NAME _____ DATE _____

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

1 MEASURE IT

clips	
hands	

2 COMPARE COUNTS

a	**hands**	**same**	**clips**
b	**smaller**	**bigger**	**same**

ANSWER KEY

Measure the Book

GRADE 1 · 1.GM.2

HOW TO RUN THIS PAGE

Give each student identical small paper clips and one book to measure. Before class, check that each student's clip is shorter than their hand-width and that the book's long edge gives a greater whole-number count in clips than in hand-widths. Watch for units placed end to end without gaps or overlaps, 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 long edge of your book with paper clips placed end to end, with no gaps or overlaps. Write the closest whole number in the clips box. Now measure the same edge using the width of the same hand each time, with no gaps or overlaps, and write the closest whole number in the hands box."

- Box 1 (beside clips): **The student's observed length to the nearest whole paper clip.**
- Box 2 (beside hands): **The student's observed length to the nearest whole hand-width.**

PART 2 · COMPARE COUNTS

SAY "Look at the two numbers you wrote for the same book. Listen to each question, then circle one answer in that row."

ROW	SAY	STUDENTS CIRCLE
a	Which gave you the greater number, clips, hands, or the same?	**clips**
b	Why did it take more clips to reach across the book? Are the clips smaller, bigger, or the same size as your hand-width?	**smaller**

WHAT TO ACCEPT

Accept counts that match each student's measurement to the nearest whole unit. The clip count must be greater than the hand-width count; the circle answers are clips and smaller.