

Measure Detectives

Students compare familiar classroom objects for relative length and weight.

K.1.b.iii “planning and carrying out investigations measure the relative length and weight of common objects”

NAME _____

DATE _____

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

1 LENGTH CHECK

a	pencil	paperclip	same
b	same	book	paperclip
c	eraser	same	crayon

2 WEIGHT CHECK

a	book	paperclip	same
b	same	pencil	book
c	paperclip	same	pencil

HOW TO RUN THIS PAGE

Gather one unsharpened pencil, one regular crayon, one small eraser, one paper clip, and one hardcover classroom book. Read each prompt, let students carry out the comparison with the real objects, then have them circle the printed word that records what they found.

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

PART 1 • LENGTH CHECK

SAY “We will make a length plan. Put each pair side by side with one end even, then look at the other ends. After you check each pair, circle the word that names the longer object.”

ROW	SAY	STUDENTS CIRCLE
a	Put the pencil and paper clip side by side with one end even. The words say pencil, paperclip, and same. Which object is longer? Circle its word.	pencil
b	Put the hardcover book and paper clip side by side with one end even. The words say same, book, and paperclip. Which object is longer? Circle its word.	book
c	Put the crayon and small eraser side by side with one end even. The words say eraser, same, and crayon. Which object is longer? Circle its word.	crayon

PART 2 • WEIGHT CHECK

SAY “We will make a weight plan. Hold one object in each hand and compare how heavy they feel. After you check each pair, circle the word that names the object the question asks about.”

ROW	SAY	STUDENTS CIRCLE
a	Hold the hardcover book in one hand and the paper clip in the other hand. The words say book, paperclip, and same. Which object is heavier? Circle its word.	book
b	Hold the pencil in one hand and the hardcover book in the other hand. The words say same, pencil, and book. Which object is lighter? Circle its word.	pencil
c	Hold the pencil in one hand and the paper clip in the other hand. The words say paperclip, same, and pencil. Which object is heavier? Circle its word.	pencil

WHAT TO ACCEPT

Length answers are pencil, book, and crayon. Weight answers are book, pencil, and pencil. Accept a clearly circled correct word after students compare the specified real objects.