

Data Detectives

Students choose the information needed for a question, then count classroom objects to record data.

K.PS.1.d "Determine the data needed to answer a posed question, and collect the data using various methods (e.g., counting objects, drawing pictures)."

NAME _____

DATE _____

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

1 CHOOSE DATA _____

a	books	pencils	paperclips
b	paperclips	books	pencils
c	pencils	paperclips	books

2 COUNT DATA _____

pencils	
paperclips	
books	

HOW TO RUN THIS PAGE

Read each question and its choices aloud, giving students time to circle one word in each row. Then set out the three classroom object groups described in the answer key and have students count and write each total.

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

PART 1 • CHOOSE DATA

SAY “We need the right information to answer a question. Listen to each question, then circle the word that names the things we need to count.”

ROW	SAY	STUDENTS CIRCLE
a	Listen to our question: “How many pencils are in our group?” We could count books, pencils, or paper clips. Which things do we need to count? Circle the word.	pencils
b	Listen to our question: “How many paper clips are in our group?” We could count paper clips, books, or pencils. Which things do we need to count? Circle the word.	paperclips
c	Listen to our question: “How many books are in our group?” We could count pencils, paper clips, or books. Which things do we need to count? Circle the word.	books

PART 2 • COUNT DATA

SAY “Now our question is, “How many are in each group?” Count the objects in each group, then write the number in the box beside its word.”

- Box 1 (beside pencils): **4**
- Box 2 (beside paperclips): **6**
- Box 3 (beside books): **2**

WHAT TO ACCEPT

Part 1 answers are pencils, paperclips, books. Before Part 2, place 4 pencils, 6 paper clips, and 2 books in separate groups, and accept correctly formed numerals 4, 6, and 2.