Data Dot Match

Students count classroom-item groups, match them to dot graphs, and record the data in a table.

1.PS.1.f "Represent a data set (vertically or horizontally) using object graphs, picture graphs, and tables."

NAME _____ DATE _____

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

1 MY PICTURE GRAPH

Key: one dot = one object. Align each row at the left edge.

Pencils	
Books	
Clips	

2 COUNT TABLE

Pencils	
Books	
Clips	

ANSWER KEY

Data Dot Match

GRADE 1 · 1.PS.1.f

HOW TO RUN THIS PAGE

Provide 3 pencils, 5 books and 7 paper clips. Students count and arrange actual objects in three aligned rows on a floor/table mat with equal-size cells large enough for the books. Each object occupies one cell. Then they draw their own picture graph and complete the count table; read directions aloud.

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

PART 1 · MY PICTURE GRAPH

SAY "First arrange the real objects in rows from the same starting line, with one object per cell. That is an object graph. Draw one dot per object in the matching row below; these drawn symbols make a picture graph."

- Box 1 (beside Pencils): **3 equally spaced dots**
- Box 2 (beside Books): **5 equally spaced dots**
- Box 3 (beside Clips): **7 equally spaced dots**

PART 2 · COUNT TABLE

SAY "Look at the three groups again. Each word has a box beside it. Can you write how many things are in each group?"

- Box 1 (beside Pencils): **3**
- Box 2 (beside Books): **5**
- Box 3 (beside Clips): **7**

WHAT TO ACCEPT

Observe the concrete object graph and the separately drawn picture graph; the printed dots of a matching exercise do not constitute an object graph. Picture counts 3,5,7 and numerical table 3,5,7 must agree.