

Count It, Show It

Teacher-led data sorting with classroom objects, an object graph, and a number table.

1.1.c.iv "interpreting, analyzing, and evaluating data organize and represent various forms of data using tables, picture graphs, and object graphs"

NAME _____

DATE _____

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

1 DRAW OUR PICTURE GRAPH _____

Key: • = one object.

Pencils

--

Books

--

Clips

--

2 NUMBER TABLE _____

Pencils

--

Books

--

Clips

--

HOW TO RUN THIS PAGE

Provide 3 pencils, 4 books and 5 paper clips. Children count the real objects. On a mat with equal cells large enough for books, arrange categories in rows from a shared baseline, one object per cell; this is the object graph. Read all 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 • DRAW OUR PICTURE GRAPH

SAY “After arranging the real object graph, draw one picture or dot per object in each labeled row. Begin each row at the same left edge. Explain how the real-object graph differs from this picture graph.”

- Box 1 (beside Pencils): **3 pictures**
- Box 2 (beside Books): **4 pictures**
- Box 3 (beside Clips): **5 pictures**

PART 2 • NUMBER TABLE

SAY “Use your observed object graph and drawn picture graph. Record the number of objects beside each label. Tell whether both representations agree.”

- Box 1 (beside Pencils): **3**
- Box 2 (beside Books): **4**
- Box 3 (beside Clips): **5**

WHAT TO ACCEPT

Observe real aligned objects, a separate one-to-one picture graph with 3, 4, 5 pictures, and number table 3, 4, 5. Objects themselves make an object graph; printed or drawn symbols make a picture graph.