

Dot Data Detectives

Students read dot data and communicate each observation with a number.

1.1.f "obtaining, evaluating, and communicating information communicate observations and data using simple graphs, pictures, drawings, numbers, speech and/or writing"

NAME _____

DATE _____

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

1 CIRCLE DATA _____

a		3	4	5
b	5		4	6
c	2	3	4	

2 SHOW OUR OBSERVATIONS _____

Key: one picture = one object.

Pencils

--

Clips

--

Books

--

HOW TO RUN THIS PAGE

Provide two pencils, six paper clips and one book. Students observe these real groups, draw and record counts, then communicate an observation to a partner. Read directions aloud. Part1 is a brief dot-to-numeral warm-up.

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

PART 1 • CIRCLE DATA

SAY “We will use dots as observation marks. Look at the dots in each row. Which number tells how many dots you observe? Circle it.”

ROW	SAY	STUDENTS CIRCLE
a	Which number tells how many dots you observe? Circle it.	4
b	Which number tells how many dots you observe? Circle it.	5
c	Which number tells how many dots you observe? Circle it.	3

PART 2 • SHOW OUR OBSERVATIONS

SAY “Observe and count the actual groups. In each box draw one picture per object and write the count. Tell a partner one finding from your record; point to your evidence.”

- Box 1 (beside Pencils): **2 pictures;2**
- Box 2 (beside Clips): **6 pictures;6**
- Box 3 (beside Books): **1 picture;1**

WHAT TO ACCEPT

Part1 answers4,5,3. Part2 requires real-object observations and representations2,6,1, plus an evidence-supported spoken finding such as six clips is more than two pencils. Observe communication, not just numerals.