

Dot Data Detectives

Students match dot data to numbers and compare groups of data.

1.1.c “interpreting, analyzing, and evaluating data use and share pictures, drawings, and/or writings of observations describe patterns and relationships classify and arrange objects based on a single physical characteristic or property organize...”

NAME _____

DATE _____

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

1 SORT AND RECORD

Key: one dot = one item. Start each row at the same line.

Category	Draw dots	Count
Larger	_____	_____
Smaller	_____	_____

Property

Compare

2 COMPARE DATA

a			
b			
c			

HOW TO RUN THIS PAGE

Provide ten safe classroom objects in two sizes, with five larger and five smaller objects that children can compare side by side. Tell students to sort by size only, ignoring color/type. Children count, draw and describe their observed categories before doing the original comparison practice. 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 • SORT AND RECORD

SAY “Sort the real objects into larger and smaller groups. Name the property used. Draw one dot for every object in the correct row, then write the count. Tell whether one group has more or fewer, or whether they are equal.”

- Box 1 (beside Property): **Size**
- Box 2 (beside Compare): **Equal: 5 objects in each group**

PART 2 • COMPARE DATA

SAY “Each row has three groups of dots. I will read the question and the dot groups. Count the dots, then circle one group.”

ROW	SAY	STUDENTS CIRCLE
a	Which group has more than 5 dots? Circle the group.	6 dots
b	Which group has fewer than 7 dots? Circle the group.	6 dots
c	Which group is equal to 4 dots? Circle the group.	4 dots

WHAT TO ACCEPT

Part 1: require sorting ten actual objects by size, identifying size, recording five in each group and describing equal counts. The original Part 2 remains: circle 6,6,4 in order. Use comparison vocabulary in the oral explanation.