Dot Data Detectives

Teacher-led dot table questions about totals, counts, and comparisons.

1.PS.1.g.i "Analyze data represented in object graphs, picture graphs, and tables and communicate results: ask and answer questions about the data represented in object graphs, picture graphs, and tables (e.g., total number of data points represented..."

NAME _____ DATE _____

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

1 COUNT DOTS

a	Red	●●●	2	3
b	Blue	●●●●●	5	6
c	Green	●●●●	3	4

2 DATA ANSWERS

Total	
More	
Less	

ANSWER KEY

Dot Data Detectives

GRADE 1 · 1.PS.1.g.i

HOW TO RUN THIS PAGE

Read the color survey table aloud. Each dot stands for one vote, and the students circle the numeral that matches each row. Then have students use the same dot data to write three answers about the survey.

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

PART 1 · COUNT DOTS

SAY "We asked children to pick a color. Each dot is one vote. In each row, look at the color word, count its dots, and circle the number that matches."

ROW	SAY	STUDENTS CIRCLE
a	Look at the Red row. Which number tells how many dots are in Red? Circle it.	**3**
b	Look at the Blue row. Which number tells how many dots are in Blue? Circle it.	**5**
c	Look at the Green row. Which number tells how many dots are in Green? Circle it.	**4**

PART 2 · DATA ANSWERS

SAY "Look at all three rows. How many dots are there altogether? Write that number in Total. How many more dots are in Blue than Red? Write that number in More. How many fewer dots are in Green than Blue? Write that number in Less. Now make up YOUR OWN count, total, or comparison question about this display. Ask your partner; your partner answers and points to the dots that support the answer. Switch roles so each of you asks a new question and answers one."

- Box 1 (beside Total): **12**
- Box 2 (beside More): **2**
- Box 3 (beside Less): **1**

WHAT TO ACCEPT

Circle 3 for Red, 5 for Blue, and 4 for Green. Accept 12, 2, and 1 in the three writing boxes, in that order. Observe each child actually asking one relevant question and answering a partner's question using the displayed dots. Accept count, total or comparison questions and answers supported by Red3, Blue5, Green4, total12; differences Blue-Red2, Blue-Green1, Green-Red1. For example: How many votes chose Green? Four. Adult language support is allowed; supplied answers alone do not complete the learner-question step.