

Dot Graph Detectives

Students count picture-graph dots, find combined totals, and compare two groups.

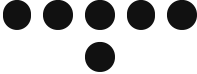
MA.1.DP.1.2 "Interpret data represented with tally marks or pictographs by calculating the total number of data points and comparing the totals of different categories."

NAME _____

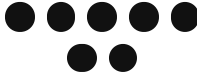
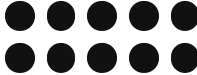
DATE _____

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

1 ADD DOTS

a			5	6
b			7	8
c			6	4

2 MATCH COUNTS

	•	•	7
	•	•	10
	•	•	2

HOW TO RUN THIS PAGE

Read each row aloud and give students time to look at the dot groups before they circle a number. The dots act as a simple pictograph, with each dot standing for one data point, so students count totals and compare groups.

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

PART 1 • ADD DOTS

SAY “Each dot stands for one data point in a picture graph. Look at the first two dot groups in each row, then circle a number when I ask a question.”

ROW	SAY	STUDENTS CIRCLE
a	The first group has two dots. The second group has four dots. How many dots are in both groups altogether, five or six?	6
b	The first group has five dots. The second group has three dots. How many dots are in both groups altogether, seven or eight?	8
c	The first group has six dots. The second group has four dots. Which number tells the group with more dots, six or four?	6

PART 2 • MATCH COUNTS

SAY “Each dot group is one row of a picture graph. Can you draw a line from each dot group to the number that tells how many dots are in it?”

- **2 dots** matches **2**
- **7 dots** matches **7**
- **10 dots** matches **10**

WHAT TO ACCEPT

Part 1 answers are 6, 8, and 6. In Part 2, accept lines from 2 dots to 2, 7 dots to 7, and 10 dots to 10.