

Dot Story Math

Students listen to joining and separating stories, then use dot groups to show totals and leftovers.

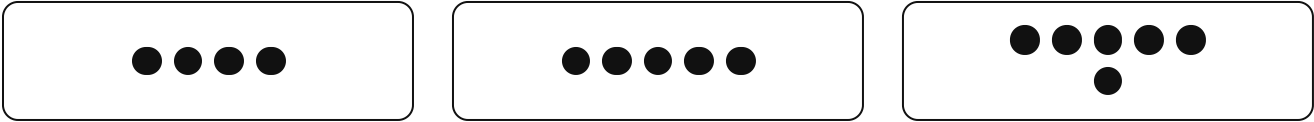
K.3 "Number and operations. The student applies mathematical process standards to develop an understanding of addition and subtraction situations in order to solve problems..."

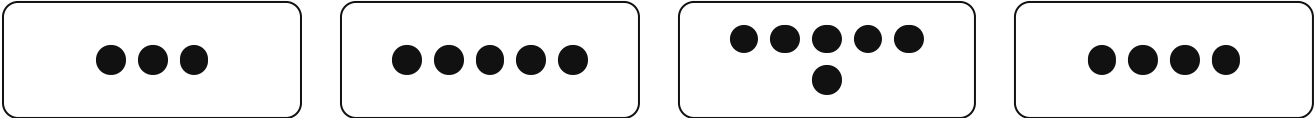
NAME _____

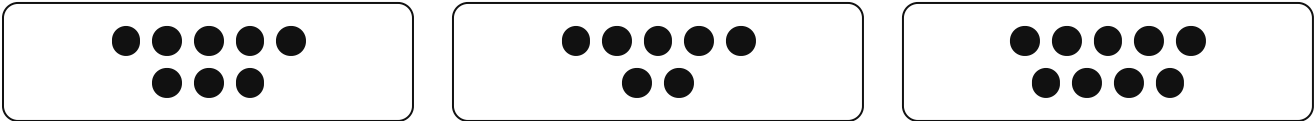
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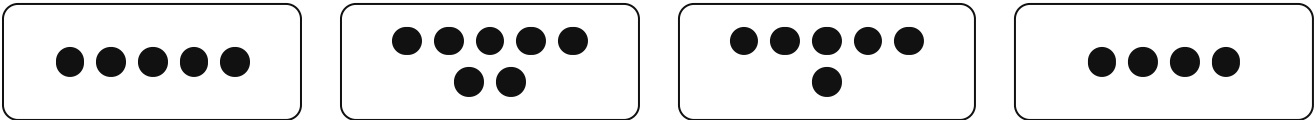
Teacher: this page is run aloud. The script and answers are on the guide page.

1 CIRCLE DOTS

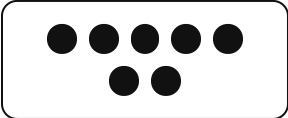
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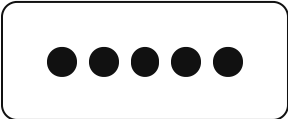
b 

c 

d 

2 WRITE IT

HOW TO RUN THIS PAGE

Read each story aloud and give students time to count the dot groups before they mark an answer. The dot groups are pictorial models for joining and separating, and students explain aloud whether they counted on or counted back.

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 DOTS

SAY “Listen to each dot story. Look at the groups of dots in the row and circle the group that shows the answer. How can you use the dots to solve each story?”

ROW	SAY	STUDENTS CIRCLE
a	Start with two dots. Three more dots join them. Which group of dots shows how many dots there are now?	5 dots
b	Start with six dots. Two dots separate and leave. Which group of dots shows how many dots are left?	4 dots
c	Start with four dots. Four more dots join them. Which group of dots shows how many dots there are now?	8 dots
d	Start with nine dots. Three dots separate and leave. Which group of dots shows how many dots are left?	6 dots

PART 2 • WRITE IT

SAY “Look at the first dot group, seven dots are here and two dots separate and leave, what number shows how many are left, and can you write it in the first box? Look at the second dot group, five dots are here and four more dots join, what number shows how many there are now, and can you write it in the second box? How did you use the dots to find each answer?”

- Box 1 (beside 7 dots): **5**
- Box 2 (beside 5 dots): **9**

WHAT TO ACCEPT

Circle-row answers, in order, are 5, 4, 8, and 6. Accept written 5 and 9 in the boxes, and accept an oral explanation that describes counting dots, counting on for joining, or counting back for separating.