Dot Count Quest

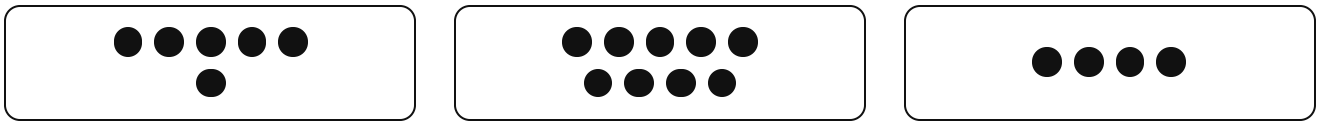
Students count dot groups and match numerals to quantities.

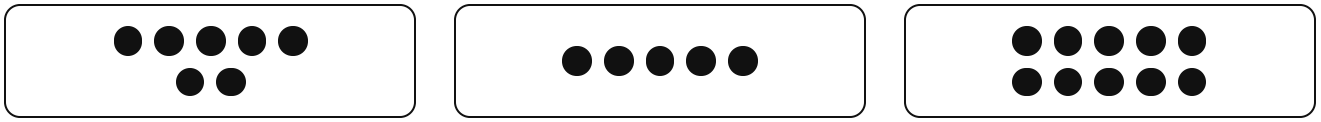
CCSS.Math.Content.K.CC.B.5 "Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1–20, count out that many objects."

NAME _____ DATE _____

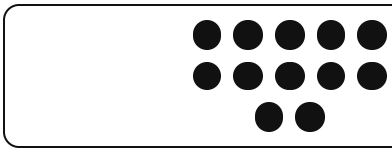
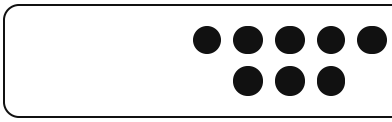
Teacher: this page is run aloud. The script and answers are on the guide page.

1 CIRCLE DOTS

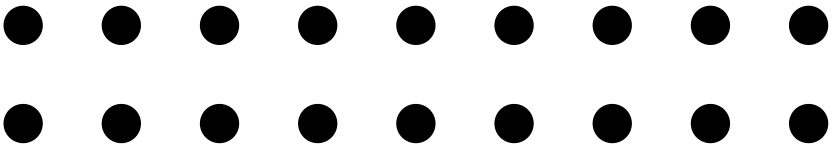
a 

b 

2 MATCH COUNTS

3	
8	
12	

3 COUNT AND MAKE



1	
2	

ANSWER KEY

Dot Count Quest

KINDERGARTEN · K.CC.B.5

HOW TO RUN THIS PAGE

Read each prompt aloud and give students time to touch or point to each dot as they count. Students show that the last number counted tells how many dots are in the group, then connect numerals to matching quantities. Supply at least 20 counters per student for Part 3. Observe count-out performance, not only the written numeral. The 18-dot arrangement uses rows, not a scattered group.

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 "Look at the dot groups in each row. Count each dot once, then listen for the number to find. Are you ready to circle the group that shows how many?"

ROW	SAY	STUDENTS CIRCLE
a	Which dot group has 9 dots? Circle it.	**9 dots**
b	Which dot group has 7 dots? Circle it.	**7 dots**

PART 2 · MATCH COUNTS

SAY "Point to a number, then count the dots in the groups on the other side. Can you draw a line from each number to the dots that show that many?"

- **3** matches **3 dots**
- **8** matches **8 dots**
- **12** matches **12 dots**

PART 3 · COUNT AND MAKE

SAY "For Box 1, point to the arranged dots above the boxes. Count every dot once. How many? Write the number. For Box 2, give the child at least 20 counters. Say: Count out exactly 16 counters and arrange them in a line or rows. How can you check? Then write how many you counted out."

- Box 1 (beside 1): **18; child counts both rows with one-to-one correspondence**
- Box 2 (beside 2): **16; child physically counts out exactly sixteen counters**

WHAT TO ACCEPT

Circle 9 dots and 7 dots in Part 1. Match 3, 8 and 12 to their quantities. In Part 3, count 18 arranged dots; then independently count out 16 objects. Check that the last count tells how many. Writing 16 without making a set of sixteen does not meet the count-out task.