

Dot Fact Paths

Students use dot groups and related equations to connect addition and subtraction facts.

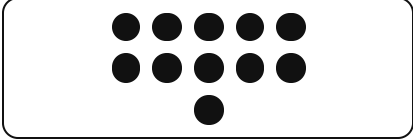
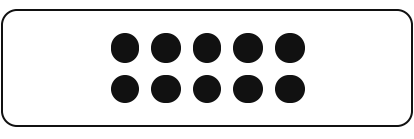
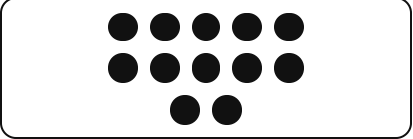
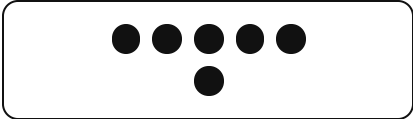
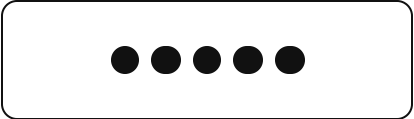
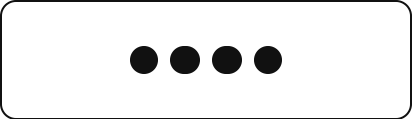
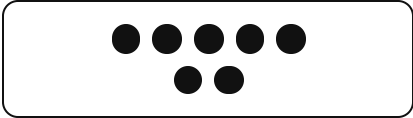
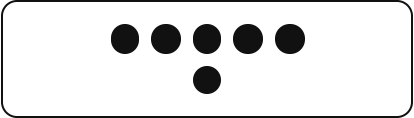
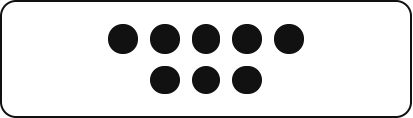
1.NR.2.2 "Use pictures, drawings, and equations to develop strategies for addition and subtraction within 20 by exploring strings of related problems."

NAME _____

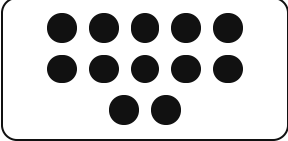
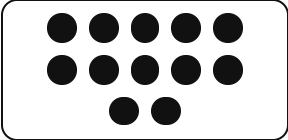
DATE _____

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

1 CIRCLE DOTS

a			
b			
c			

2 WRITE NUMBERS

HOW TO RUN THIS PAGE

Students use dot groups as pictures to think about a whole and its parts. Read each related equation aloud, then have students circle or write the number that completes it. Listen for students who use an addition fact to solve a subtraction fact.

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 equation. Look at the groups of dots in that row. Which group shows the answer? Circle it.”

ROW	SAY	STUDENTS CIRCLE
a	Seven plus five equals how many? Circle the dots that show how many.	12 dots
b	Twelve minus seven equals how many? Circle the dots that show how many.	5 dots
c	Twelve minus five equals how many? Circle the dots that show how many.	7 dots

PART 2 • WRITE NUMBERS

SAY “The dots beside each box show twelve. For the first box, if three and nine make twelve, what number is twelve minus three? Write the number. For the second box, if nine and three make twelve, what number is twelve minus nine? Write the number.”

- Box 1 (beside 12 dots): **9**
- Box 2 (beside 12 dots): **3**

WHAT TO ACCEPT

Circle 12 dots, 5 dots, and 7 dots in order. Accept recognizable numerals 9 and 3 in the write boxes.