Split the Dots

Students find and record pairs of smaller numbers.

K.OA.A.10 "Decompose numbers less than or equal to 10 into pairs of smaller numbers in more than one way, by using concrete objects or drawings, and record each decomposition by a drawing or equation."

NAME _____ DATE _____

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

1 FIND THE SPLIT

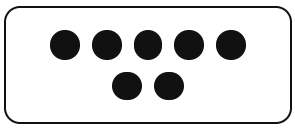
a

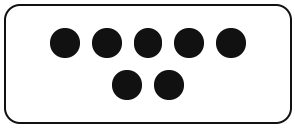
2+3	1+3	4+1

b

2+4	3+4	1+4

2 MAKE TWO SPLITS





ANSWER KEY # Split the Dots

HOW TO RUN THIS PAGE

Read the circle prompts and number sentences aloud. Then have students circle groups of dots and write two different addition sentences, using the drawn dots to check each split.

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

PART 1 · FIND THE SPLIT

SAY "I will read the number sentences in each row. Circle the one that makes the number I say."

ROW	SAY	STUDENTS CIRCLE
a	Think of four dots. Which number sentence splits four into two smaller parts?	**1+3**
b	Think of six dots. Which number sentence splits six into two smaller parts?	**2+4**

PART 2 · MAKE TWO SPLITS

SAY "Circle some of the seven dots beside each box. In each box, write the number you circled, a plus sign, and the number you did not circle. Can you make two different pairs that both make seven?"

- Box 1 (beside 7 dots): **An equation matching the circled and uncircled dots, such as 1+6.**
- Box 2 (beside 7 dots): **An equation matching the circled and uncircled dots with a different pair, such as 2+5.**

WHAT TO ACCEPT

Circle rows: 1+3 and 2+4. In the boxes, accept any two different pairs of positive numbers that each total 7, with the circled-dot count written first and the uncircled-dot count second. Reversing a pair does not count as a different pair.