Split the Dots

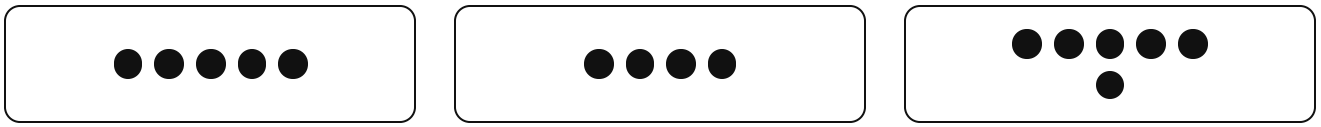
Students find missing groups, then draw two different splits of one number.

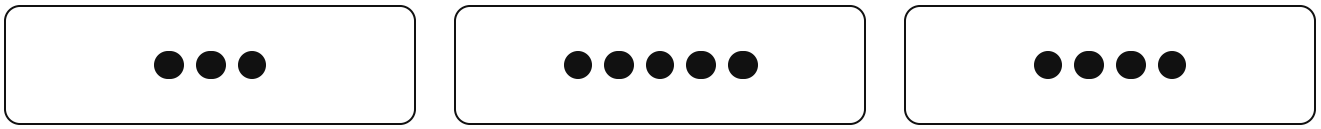
K.NOS.D.11 "Decompose numbers within 10 in more than one way, by using objects or drawings, and record each decomposition with a drawing or equation (e.g., 10 = 4 + 6 and 10 = 4+5 + 1)."

NAME _____ DATE _____

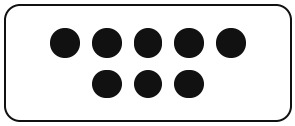
Teacher: this page is run aloud. The script and answers are on the guide page.

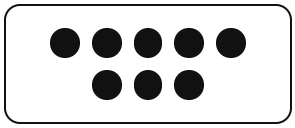
1 FIND THE GROUP

a 

b 

2 DRAW TWO WAYS





ANSWER KEY # Split the Dots

HOW TO RUN THIS PAGE

Read each prompt aloud and give students time to count the dots. In the boxes, look for two separated groups that make the printed total, with different group sizes in each box.

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 GROUP

SAY "A number can be split into two groups. Count the dots in each choice to find the missing group."

ROW	SAY	STUDENTS CIRCLE
a	Seven is split into a group of two and another group. Which dots show the other group?	**5 dots**
b	Seven is split into a group of three and another group. Which dots show the other group?	**4 dots**

PART 2 · DRAW TWO WAYS

SAY "The dots beside each box show how many dots to draw inside it. Draw two separate groups of dots in each box. Use different group sizes in the second box, not just the same groups switched around."

- Box 1 (beside 8 dots): **Two separated groups totaling 8 dots, such as 1 and 7.**
- Box 2 (beside 8 dots): **Two separated groups totaling 8 dots, with group sizes different from the first box, such as 2 and 6.**

WHAT TO ACCEPT

Circle 5 dots in the first row and 4 dots in the second. Accept any two drawings of eight dots split into two nonempty groups with distinct group sizes; 2 and 6 followed by 6 and 2 is the same split, not two ways.