

Intro to Arrays

Create Multiple Rectangles

These activities extend the puzzles and the concepts learned in the puzzles throughout the week. The activities might be tasks, word problems, journal writing activities, or hands-on activities designed to deepen student understanding and help students make connections.

Some of the activities listed below work well in a remote environment and can be easily added to your virtual classroom. The activities that can be used remotely are designated as such.

Eventions Student Work Date: JUl is planting 18 carrot plants in the garden. JUl wants to plant the carrots in an array. What are the possible ways JUl could plant the carrots in the garden? Explain.	 Pose the following problem to students: JiJi is planting 18 carrot plants in the garden. JiJi wants to plant the carrots in an array. What are the possible ways JiJi could plant the carrots in the garden? Explain. Have students use math tools and record all of the possible answers. As students share solutions, write the corresponding repeated addition sentences for each array. (Can be done remotely)
	 Give students a whiteboard, dry erase marker, centimeter cubes or snap cubes. Display a puzzle from Level 3. Ask students to look at the two numbers in the puzzle and find all of the possible arrays for each number. Share students' solutions. Discuss which arrays can be shown in the parameters of the puzzle and which cannot. Solve the puzzle and repeat with another puzzle in Level 3.
	 Give students pencils, paper, 2 number cubes and math tools, such as color tiles, snap cubes or centimeter cubes. Tell students to roll the first number cube. The number rolled will represent the number of rows. Tell students to roll the second number cube. The number rolled will represent the number of math tools in each row. Have students create the array according to the numbers they roll. Have students draw the array and write a repeated addition sentence to represent the array. Share some of the students' arrays and repeated addition sentences.
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Pre-Work Name: Date: Solve 321 x 45 using two different strategies?	• If you are using Puzzle Talks as part of your remote learning plan, it is important to think about how to maximize the learning in the virtual environment. One strategy might be to do Pre-Work. Pre-Work encourages students to think about the concept prior to the Puzzle Talk.

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Second Grade



Name:	Date:	

JiJi is planting 18 carrot plants in the garden. JiJi wants to plant the carrots in an array. What are the possible ways JiJi could plant the carrots in the garden? Explain.



Name:	Date:	

Janie's classroom has 4 rows of student desks. There are 5 desks in each row. What could the desks in Janie's classroom look like?

Deion and Adriana decided to have a counting contest to see who could count to 20 the fastest. Deion counted by 1's and Adriana counted by 5's. Who won the counting contest? Why do you think so? How might Deion count so he could win?

A farmer planted 20 stalks of corn in a rectangular field. He had the same number of corn stalks in each row. Draw a picture to show two ways the farmer could have planted the corn. Explain how you came up with your picture.