



ARTS + ACADEMIC EXTENSIONS

GRADES 1-2: MATH/VISUAL ART

Array City

In this episode, students learn about how to break numbers into arrays and they use these arrangements as the foundation for an enormous collaged cityscape.

CONNECTED OBJECTIVE: Students will create their own city using drawing, and collage by building arrays and splitting their arrays into component parts.

MATERIALS NEEDED DURING EPISODE: Paper, scissors, and 30 small things to count like: Beans, dried rice, cereal, cotton swabs, Legos, etc.



Standards:

C2.OA.C.3 - Work with equal groups of objects to gain foundations for multiplication.

2.NBT.A.2 - Count within 100; skip count by 5s, 10s, and 100s

VA:Cr1.2.2

Make art or design with various materials and tools to explore personal interests, questions, and curiosity.

VA:Cr2.1.2



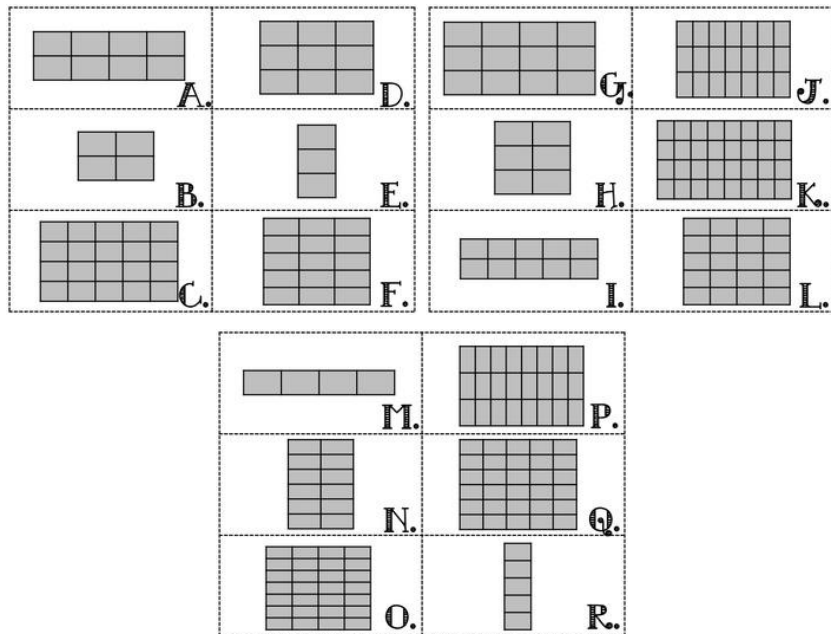
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Experiment with various materials and tools to explore personal interests in a work of art or design.

ARTS EXTENSIONS:

I SPY ARRAY GAME

The students have to find all of them and record "___ rows of ___" and the multiplication sentence.



- Project the cards above on your screen OR, if in person, print out the array cards and set them around the room. Ask students to write down the addition sentence for each array.

Name: _____

"I Spy" Arrays!!!

	Array (__ rows of __)	Multiplication Sentence (__ x __ = __)
A		
B		
C		
D		
E		
F		
G		
H		

- Next: Have students create arrays to match the cards by using household items.
- Next: Ask students to choose one of the array shapes, draw it on a piece of paper, and make it into something. What does the shape remind you of?



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*Everyday examples of arrays include a muffin tray and an egg carton. An array of eggs.



Array Monsters

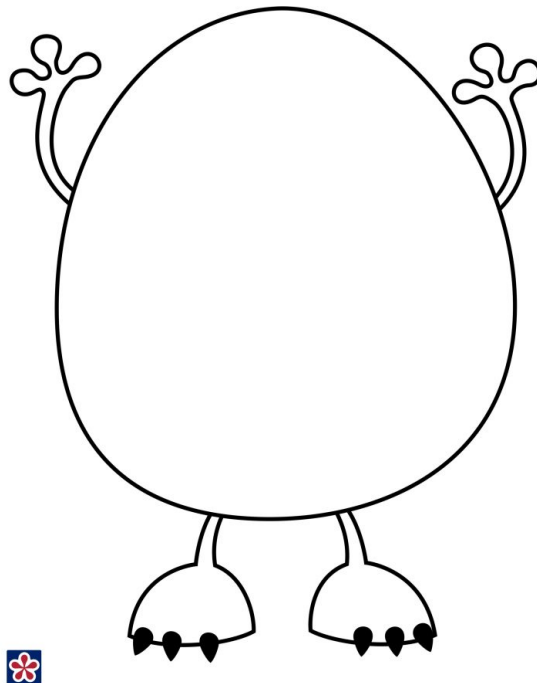




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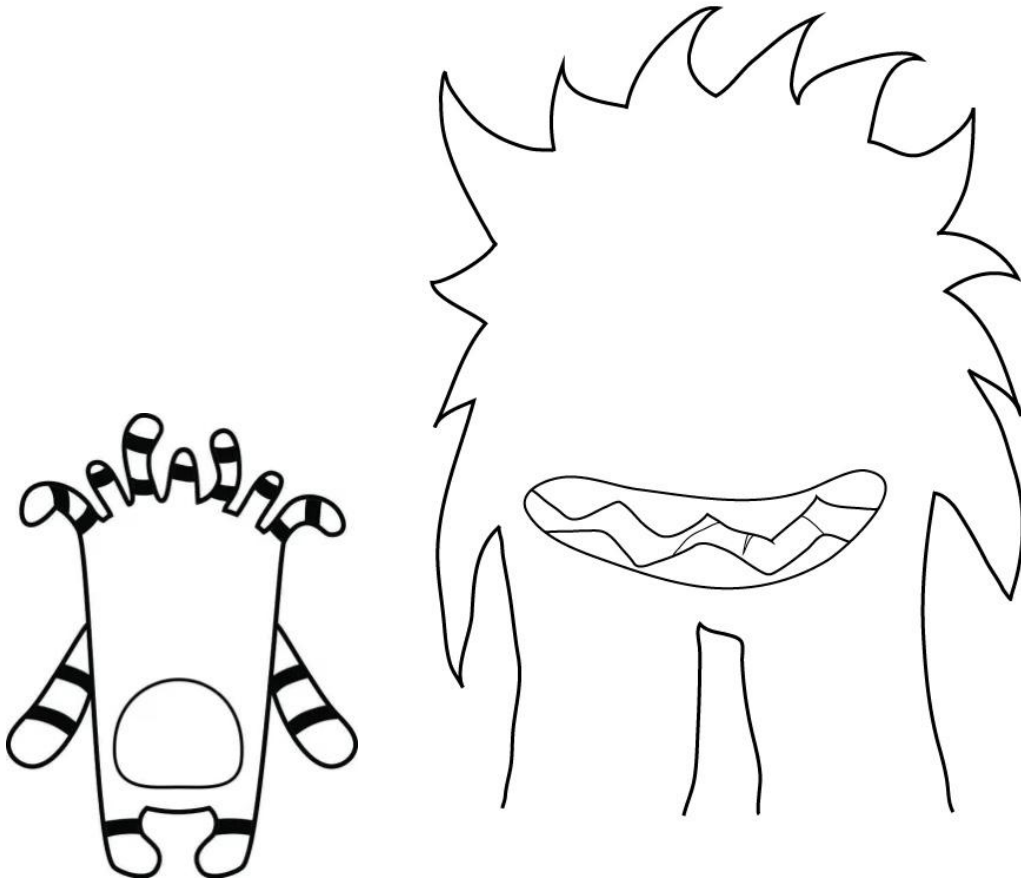
What you will need:

- Monster templates
 - Crayons
 - Construction paper (if you want to make your own monster)
 - Googly eyes (if you have them)
 - Glue (if you make your own monster/or use googly eyes)
 - *students can also draw directly on the template, or copy the shapes from their screen, and do the entire project with pencils, markers or crayons
1. Ask students to print out templates or copy them by looking at your screen. Then have them create an array of eyes using drawing, glued on circles of paper, or googly eyes.
 2. Students can decorate their monster and write the addition sentence for the array on the paper.





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ACADEMIC EXTENSIONS:

Candy Shop

In this lesson you can help students work with equal groups of objects to gain foundations for multiplication.

Start with a Youtube video showing arrays and repeated addition. The teacher can pause the video and have students complete problems and then share their answers.

<https://youtu.be/vO6WW1BGbLw>

Students can follow up with a game of Candy Shop Arrays. Students have to find the array that fits the description. Upon logging in, students should select “I am a student,” put in their birthdate, and play as a guest. Another alternative is for the teacher to share their screen, put the students on teams, and have the teams give responses.



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<https://www.education.com/game/candy-shop/>

Array(nged) Words

These slides are a great independent or group activity. Students solve word problems involving addition of equal groups of rows and columns.

https://docs.google.com/presentation/d/1aY07YAGmfUDAVqIP_hB4axRVHewPSFPUL0ngQphnVgl/copy

Picture it

Use this kahoot to challenge your kids to solve problems quickly. Adjust the timer to accommodate your students.

<https://create.kahoot.it/share/arrays/3eece0ae-0d3b-4c98-8daa-5560c82baa23>