



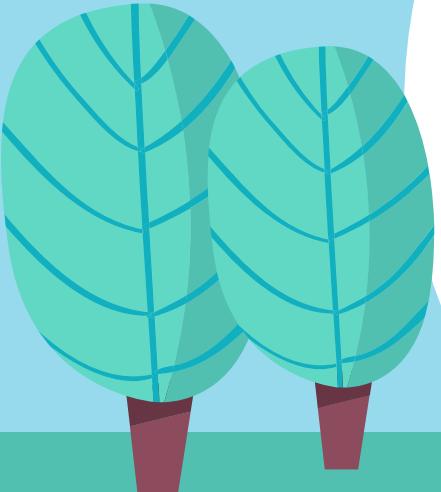
EXERCISE 1



Pencil



Eraser



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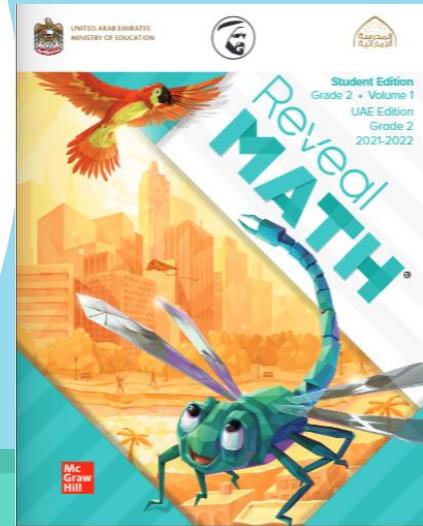
Grade 2

Use Arrays to Add



Ms. Nicole

Whiteboard & Marker



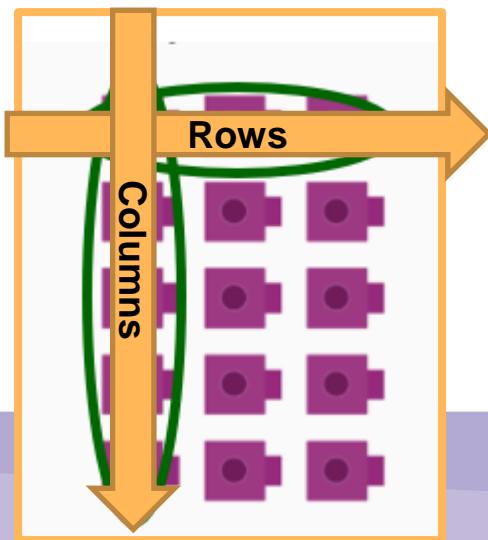
Success Criteria :

I can use arrays to add!



array:

Objects displayed in rows and columns.

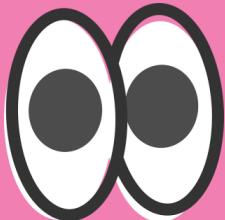


5 rows

5 columns



$$5 + 5 + 5 + 5 + 5 = 25$$



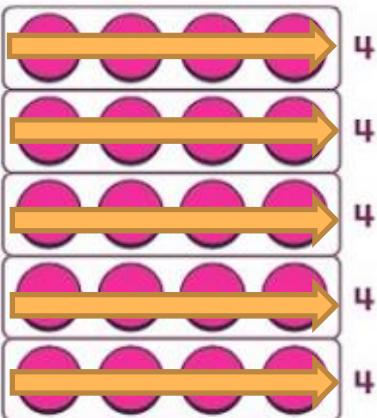
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Learn

There are 5 rows of 4 seats in a movie theater.

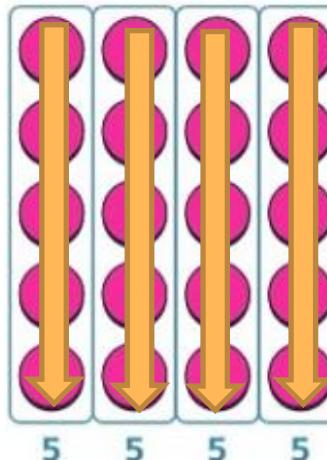
How many seats are in the movie theater?

Add the amount in each row to find the total.



$$4 + 4 + 4 + 4 + 4 = 20$$

Add the amount in each column to find the total.



$$5 + 5 + 5 + 5 = 20$$

You can make an array to show a problem and use **repeated addition** to solve it.

Math is... Explaining

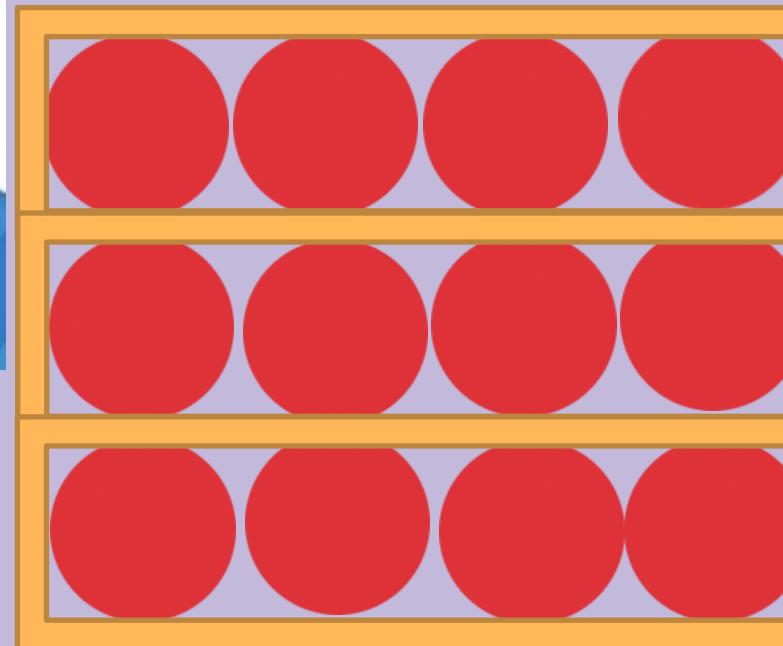
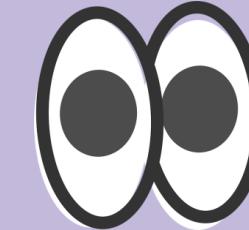
Why do both equations result in the same total?

Practice:

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 **Work Together**

Mack has 3 shelves with 4 books on each shelf. How many books does Mack have?
Use an array to help you solve.



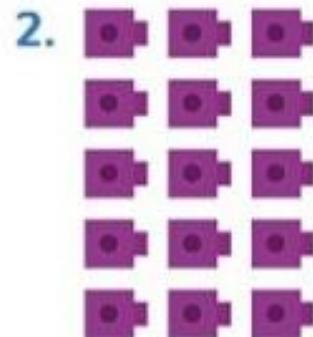
How many books?

12

What equations show the array? Write two equations.

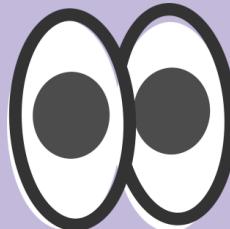
1.  $4 + 4 + 4 = 12$

$3 + 3 + 3 + 3 = 12$

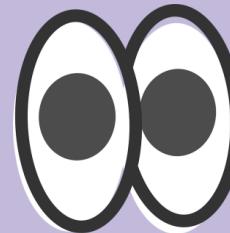


$3 + 3 + 3 + 3 + 3 = 15$

$5 + 5 + 5 = 15$



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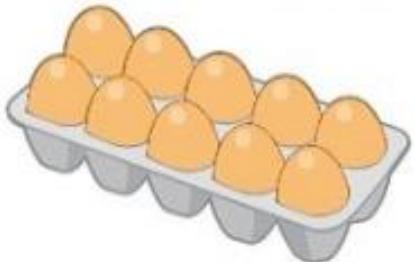


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3. Error Analysis Look at the way each student counted the eggs. Both students say there are 10 eggs. How do you respond to them?

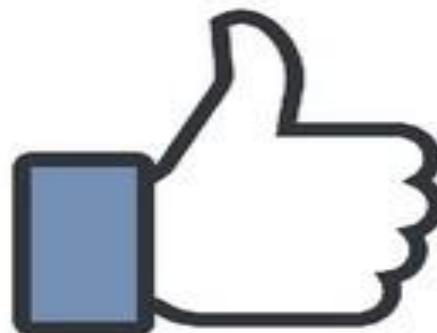
Anika: 5, 10

Hernon: 2, 4, 6, 8, 10



Both are correct. 2 rows of 5 is 10. And 5 rows of 2 is 10.

Check Your Understanding



I get
it!

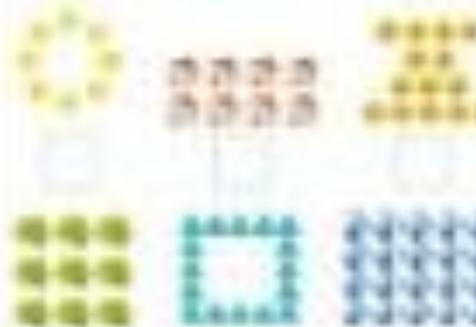


I need
help

What Is an Array?



What's an Array?



Collaborate!

Explain your answer to each other.



How can arrays help you to count easier?



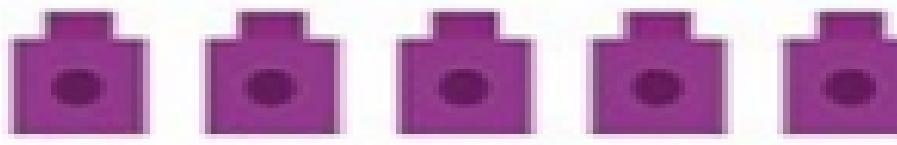
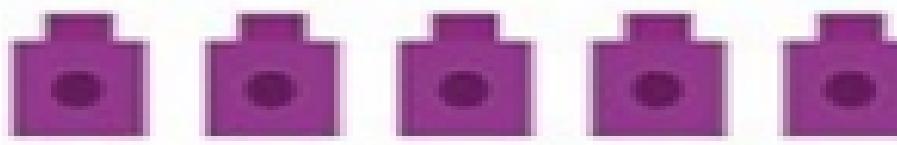
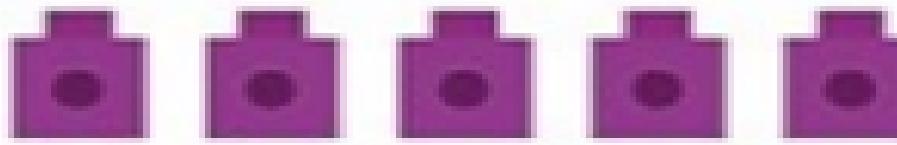
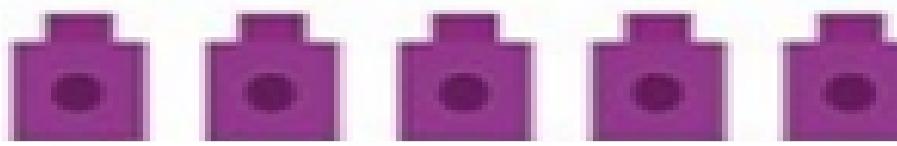
What is an array?

~~Do you?~~
agree (1)
disagree (2)

Problem Solving

Draw an array to match the description. Then write an equation to describe the array.

4. Show 4 rows and 5 columns.

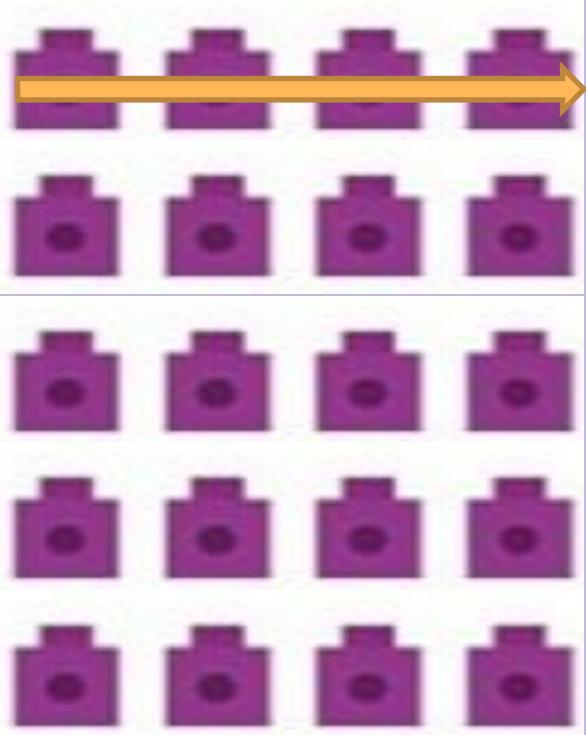


Problem Solving

5. Show 2 rows and 4 columns.



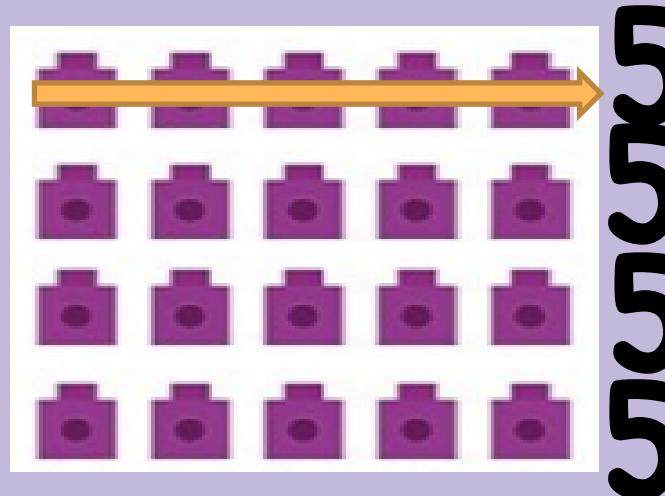
Problem Solving



4
4
4
4
4
20

6. **Extend Your Thinking** Sam arranges blocks in 5 rows of 4 blocks. Meg arranges blocks in 4 rows of 5 blocks. Sam thinks he has more blocks than Meg. How do you respond to Sam? Explain.

Sam does not have more. They have the same amount.



5
5
5
5
20

How well did
you get it?

Respond in
the meeting
chat



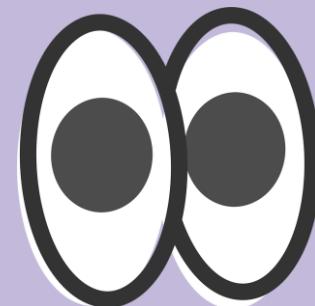
Count by Odd Numbers and Exercise



Extra Practice



Extended Learning



Pages
23-24

Arrays

<https://ca.ixl.com/math/grade-2/identify-repeated-addition-in-arrays-sums-to-10>

I can. . .

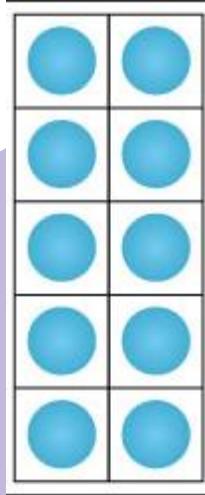
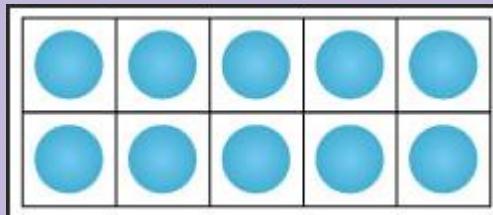
I can use arrays to add!



1. I can do it and teach it to someone.
2. I can do it but not teach it.
3. I need to practice it more.

Class	Started	Completed
2A	✓✓✓	
2B	✓✓✓	
2C	✓✓✓	
2D	✓✓✓	

Exit Ticket



Can you name the 2 arrays
using repeated addition?

Yes! $5+5=10!$

Yes!

$2+2+2+2+2=10!$

Entrepreneurship

Let's make arrays using the supplies for our lemonade stand! Remember, an array has the same number of rows and columns.

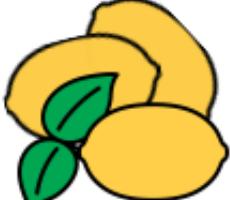
How can we arrange 4 bags of lemons into an array?

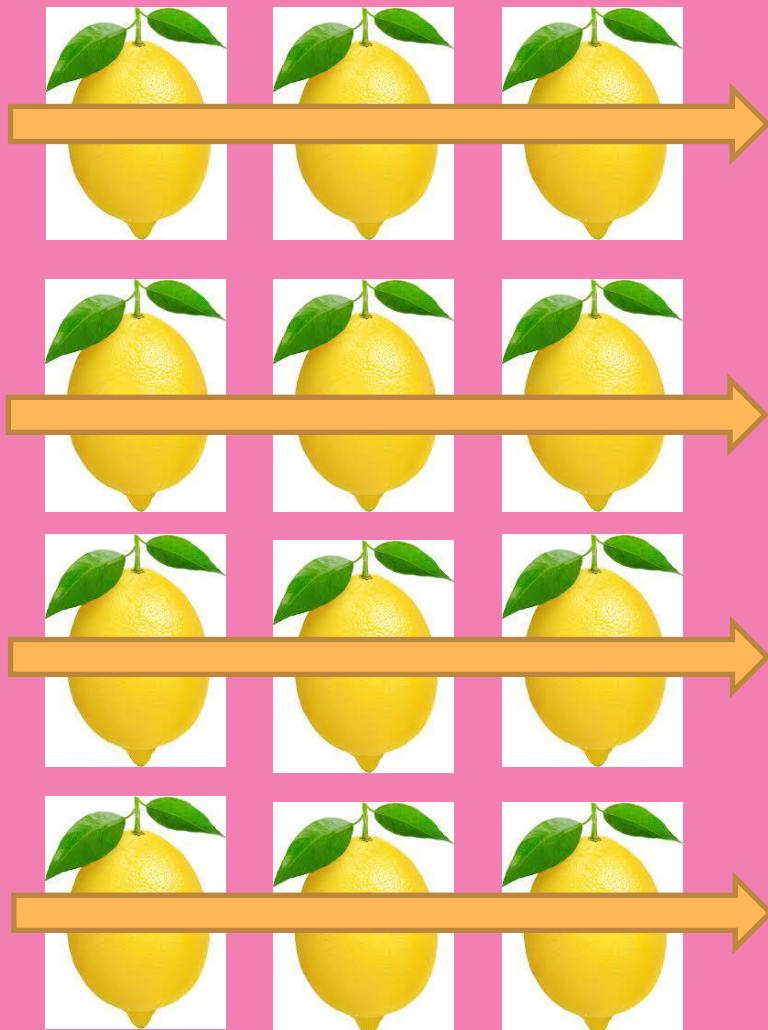
What is the **SUM** of all 4 bags of lemons? Even or Odd?

Can you **create** and **explain** your own array?



LEMONADE SUPPLIES

SUPPLIES:	 Cups (Pack of 10) \$7	 Straws (Pack of 5) \$2	 Pitcher \$25
INGREDIENTS:	 Water \$6	 Sugar \$5	 Lemons (Bag of 3) \$7
	 Limes \$2/each	 Strawberries \$4	 Bag of Ice \$5



3
6
9
12

