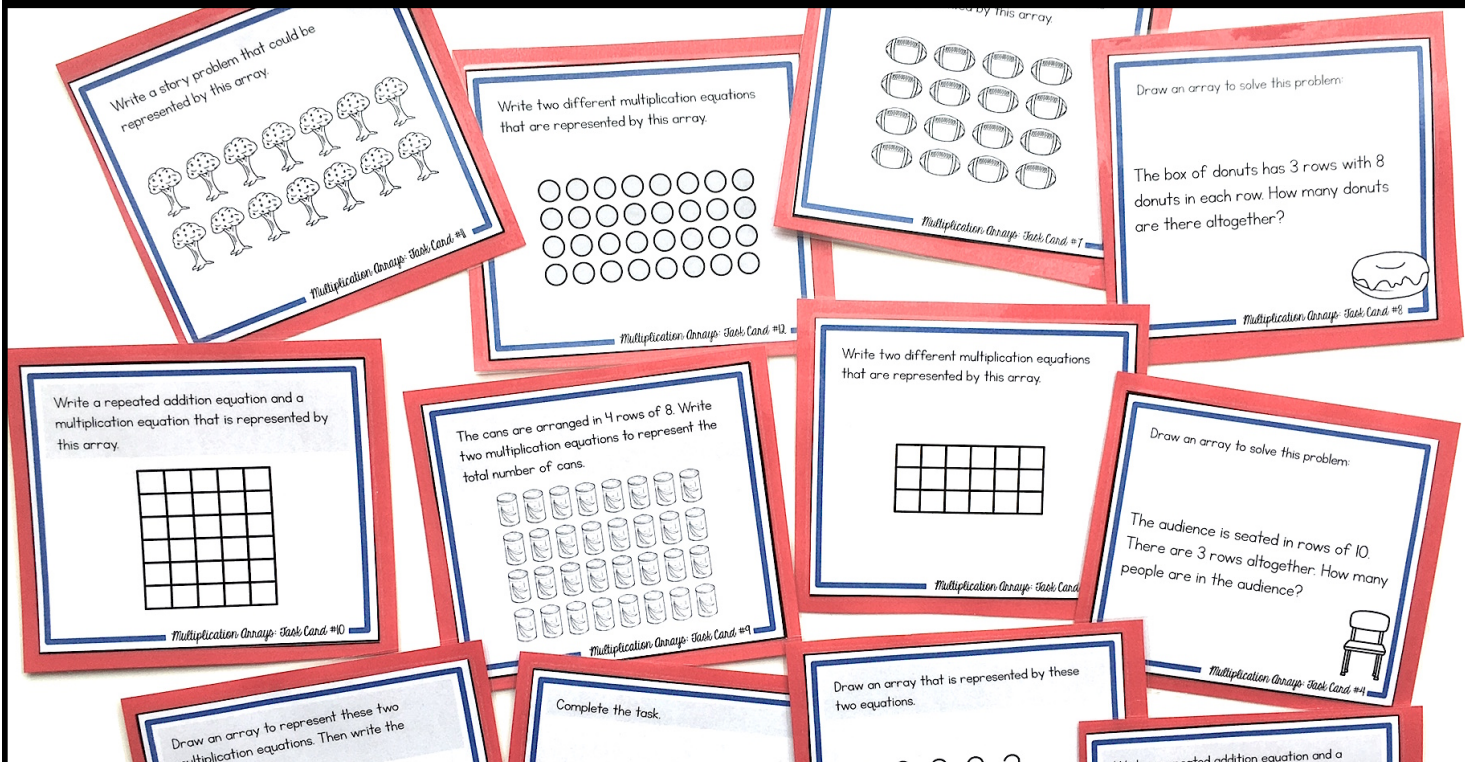


Multiplication Arrays

TASK CARDS

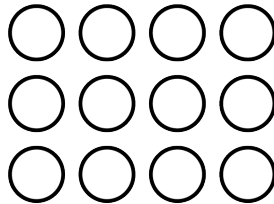
for basic multiplication facts



Created by Shelley Gray

About this Resource

Arrays are a useful tool for students beginning multiplication. An array can be used to represent a multiplication equation, using the columns and rows as the two factors in the multiplication equation. For example, the array below represents both $4 \times 3 = 12$ and $3 \times 4 = 12$.



This resource includes 24 task cards, a student recording sheet, as well as a reference poster to hang in your classroom. Answer keys are included at the end of this file.



Are you looking for even more support with teaching multiplication in your classroom? You might be interested in this self-paced, student-centered Multiplication Station that will allow your students to move through a variety of multiplication strategies at their own pace. That station can be found here:

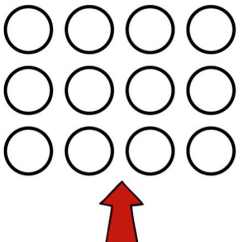
<https://www.teacherspayteachers.com/Product/The-Multiplication-Station-A-Self-Paced-Program-for-Basic-Multiplication-Facts-198216>

This resource includes...

An array reference poster to hang inside the classroom.

ARRAY







An array is a group of objects, organized into columns and rows. It can be used to help you solve a multiplication equation.


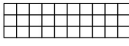

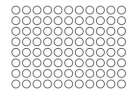






This array has 4 columns and 3 rows. It represents $4 \times 3 = 12$ or $3 \times 4 = 12$




© Shelby Gray

Twenty-four array task cards; students will practice working with arrays in a variety of different ways.

<p>Write two different multiplication equations that are represented by this array.</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #1</p>	<p>Draw an array to solve this problem.</p> <p>The box of donuts has 3 rows with 8 donuts in each row. How many donuts are there altogether?</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #2</p>
<p>The cans are arranged in 4 rows of 8. Write two multiplication equations to represent the total number of cans.</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #3</p>	<p>Write a repeated addition equation and a multiplication equation that is represented by this array.</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #4</p>
<p>Write a story problem that could be represented by this array.</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #5</p>	<p>Write two different multiplication equations that are represented by this array.</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #6</p>

<p>Write two different multiplication equations that are represented by this array.</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #7</p>	<p>Write a repeated addition equation and a multiplication equation that is represented by this array.</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #8</p>
<p>Draw an array to represent this repeated addition equation. Then write two multiplication equations that also represent the array.</p> <p>$6+6+6+6+6=30$</p> <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #9</p>	<p>Draw an array to solve this problem.</p> <p>Tyson is setting up a card game. He lays down 5 rows with 4 cards in each row. How many cards are there altogether?</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #10</p>
<p>Write two different multiplication equations that are represented by this array.</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #11</p>	<p>Draw an array that is represented by these two equations. Then write the answer for each equation.</p> <p>$8+8+8+8+8$</p> <p>6×8</p> <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #12</p>

<p>Write two different multiplication equations that are represented by this array.</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #13</p>	<p>Draw an array to represent these two multiplication equations. Then write the product.</p> <p>$2 \times 3 = \underline{\quad}$</p> <p>$3 \times 2 = \underline{\quad}$</p> <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #14</p>
<p>Write a repeated addition equation and a multiplication equation that is represented by this array.</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #15</p>	<p>Draw an array to solve this problem.</p> <p>The potatoes are planted in the garden in rows of 10. If there are 6 rows, how many potatoes are there?</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #16</p>
<p>Write two different multiplication equations that are represented by this array.</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #17</p>	<p>Draw an array that is represented by these two equations.</p> <p>$9 \times 5 = \underline{\quad}$</p> <p>$5 \times 9 = \underline{\quad}$</p> <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #18</p>

<p>Write two different multiplication equations that are represented by this array.</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #19</p>	<p>Draw an array to represent these two multiplication equations. Then write the product.</p> <p>$5 \times 4 = \underline{\quad}$</p> <p>$4 \times 5 = \underline{\quad}$</p> <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #20</p>
<p>Write a repeated addition equation and a multiplication equation that is represented by this array.</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #21</p>	<p>Draw an array to solve this problem.</p> <p>The audience is seated in rows of 10. There are 3 rows altogether. How many people are in the audience?</p>  <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #22</p>
<p>Complete the task.</p> <p>Where might you see an array in real life? Draw a picture and write a multiplication equation that is represented by the real-life array.</p>	<p>Draw an array that is represented by these two equations.</p> <p>$3+3+3+3$</p> <p>5×3</p> <p style="font-size: x-small; text-align: center;">Multiplication Array: 3rd-Grade #23</p>

Recording sheets to help your students stay organized




RECORDING SHEET - page 1	
Card #1	Card #2
	$5 \times 4 = \underline{\quad}$ $4 \times 5 = \underline{\quad}$
Card #3	Card #4
Card #5	Card #6


RECORDING SHEET - page 2	
Card #7	Card #8
Card #9	Card #10
Card #11	Card #12




RECORDING SHEET - page 4	
Card #13	Card #14
Card #15	Card #16
Card #17	Card #18
	$8+8+8+8+8 = \underline{\quad}$ $6 \times 8 = \underline{\quad}$




RECORDING SHEET - page 3	
Card #19	Card #20
	$2 \times 3 = \underline{\quad}$ $3 \times 2 = \underline{\quad}$
Card #21	Card #22
Card #23	Card #24
	$9 \times 5 = \underline{\quad}$ $5 \times 9 = \underline{\quad}$

Answer keys to make self-checking a breeze!

ANSWER KEY	
Card #1 $3 \times 6 = 18$ $6 \times 3 = 18$	Card #2  $5 \times 4 = 20$ $4 \times 5 = 20$
Card #3 ADDITION EQUATIONS $6+6+6+6+6+6=42$ OR $7+7+7+7+7=42$ MULTIPLICATION EQUATIONS $6 \times 7 = 42$ OR $7 \times 6 = 42$	Card #4  $3 \times 10 = 30$ There are 30 people in the audience.
Card #5 Answers will vary.	Card #6 

Card #7 $4 \times 6 = 24$ $6 \times 4 = 24$	Card #8  $3 \times 8 = 24$ There are 24 donuts altogether.
Card #9 $4 \times 8 = 32$ $8 \times 4 = 32$	Card #10 ADDITION EQUATIONS $5+5+5+5+5=30$ OR $6+6+6+6=30$ MULTIPLICATION EQUATIONS $6 \times 5 = 30$ OR $5 \times 6 = 30$
Card #11 Answers will vary.	Card #12 $4 \times 7 = 28$ $7 \times 4 = 28$

Card #13 $4 \times 9 = 36$ $9 \times 4 = 36$	Card #14  $2 \times 3 = 6$ $3 \times 2 = 6$
Card #15 ADDITION EQUATIONS $3+3+3+3+3+3=21$ OR $7+7+7=21$ MULTIPLICATION EQUATIONS $3 \times 7 = 21$ OR $7 \times 3 = 21$	Card #16  $6 \times 10 = 60$ There are 60 potatoes altogether.
Card #17 $5 \times 4 = 20$ $4 \times 5 = 20$	Card #18  $9 \times 5 = 45$ $5 \times 9 = 45$

Card #19 $2 \times 6 = 12$ $6 \times 2 = 12$	Card #20 ADDITION EQUATIONS $3+3+3+3+3+3+3+3=30$ OR $10+10+10=30$ MULTIPLICATION EQUATIONS $3 \times 10 = 30$ OR $10 \times 3 = 30$
Card #21  $5 \times 6 = 30$ $6 \times 5 = 30$	Card #22  $5 \times 4 = 20$ There are 20 cards altogether.
Card #23 $8 \times 11 = 88$ $11 \times 8 = 88$	Card #24  $8 \times 8 + 8 + 8 = 72$ $6 \times 8 = 48$