

Grade 2 · Arrays and Equal Groups · Worksheet

Common Core 2.OA.C.4 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

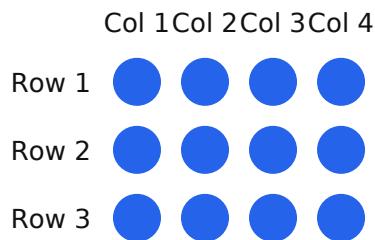
This worksheet gives 24 problems on arrays with up to 5 rows and 5 columns. Students count rows and columns, write repeated addition equations, and find totals. Each problem lines up with Common Core standard 2.OA.C.4.

The first problems use pictures. The last problems are word problems with more than one step. Write an equation for each array.

Grade 2 Common Core: 2.OA.C.4

Problem 1: Count rows and columns

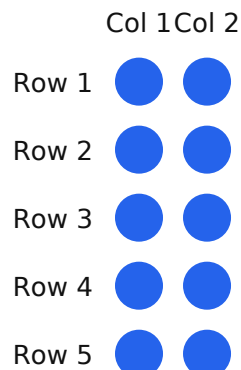
How many rows are in the array? How many columns are in the array?



An array of dots.

Problem 2: Rows and columns again

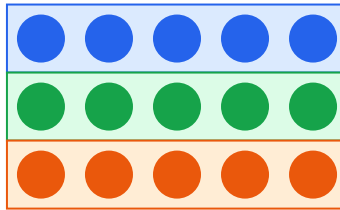
How many rows are in the array? How many columns? How many dots are in each row?



An array of dots.

Problem 3: Add the rows

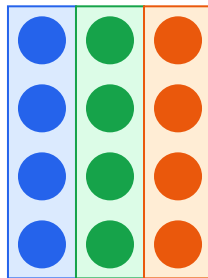
Write an equation that adds the rows. Then find the total number of dots.



An array of dots. Each color is one row.

Problem 4: Add the columns

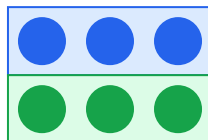
Write an equation that adds the columns. Then find the total number of dots.



An array of dots. Each color is one column.

Problem 5: Two rows of three

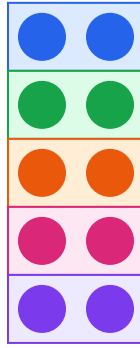
Write an equation to find the total number of stars in the array.



An array of stars (shown as dots).

Problem 6: Five rows of two

Write an equation that adds the rows. Find the total.



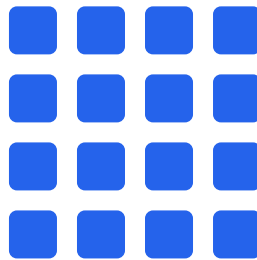
An array of dots.

Problem 7: Finish the addition

An array has 4 rows. Each row has 5 stars. Find the sum: $5+5+5+5=?$

Problem 8: Four by four

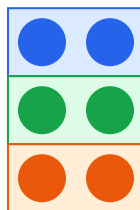
Write an equation that adds the rows. How many squares are in the array?



An array of squares.

Problem 9: Muffin tin

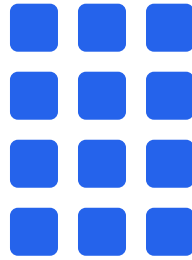
A muffin tin has 3 rows with 2 muffins in each row. Write an equation and find the total number of muffins.



A muffin tin.

Problem 10: Window panes

A window has 4 rows of glass panes. Each row has 3 panes. Write an equation and find the total number of panes.



A window with square panes.

Problem 11: Draw an array

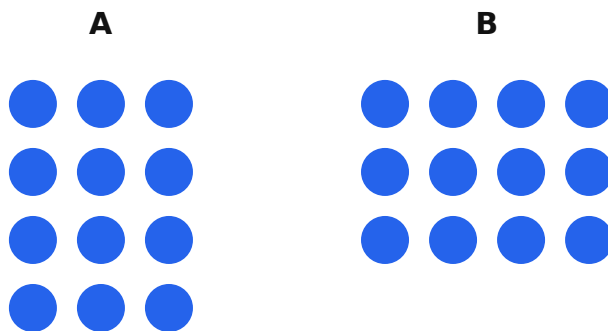
Draw an array with 3 rows and 5 columns. Write an equation that adds the rows and find the total.

Problem 12: Seats in a van

A van has 5 rows of seats. Each row has 2 seats. How many seats are in the van? Write an equation.

Problem 13: Same total

Write an equation for each array. Do the arrays have the same total?



Two arrays of dots.

Problem 14: Sticker rows

Maya puts 4 rows of stickers on a page. Each row has 5 stickers. How many stickers are on the page?

Problem 15: How many rows?

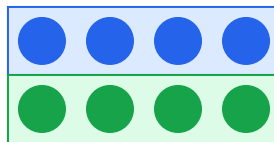
Jamal writes $3+3+3+3+3=15$ for an array. How many rows does his array have? How many objects are in each row?

Problem 16: How many in each row?

An array has 4 equal rows and 12 dots in all. How many dots are in each row? Write an equation to show it.

Problem 17: Doubles

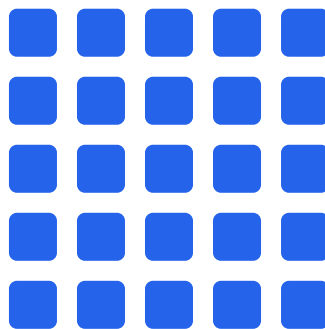
An array has 2 rows with 4 dots in each row. Write a doubles equation and find the total.



An array of dots.

Problem 18: Sticker sheet

A sticker sheet has 5 rows and 5 columns of stickers. Write an equation that adds the rows. How many stickers are on the sheet?



A sheet of stickers.

Problem 19: Garden rows

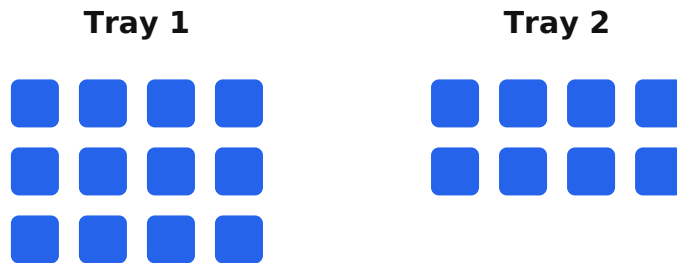
Priya plants tomatoes in 4 rows. She puts 5 plants in each row. How many tomato plants does she plant? Draw the array and write an equation.

Problem 20: Theater seats

A small theater has 3 rows with 5 seats in each row. Six seats are taken. How many seats are empty?

Problem 21: Two cookie trays

Tray 1 has 3 rows of 4 cookies. Tray 2 has 2 rows of 4 cookies. How many cookies are on both trays?



Two trays of cookies.

Problem 22: Find the mistake

Diego has an array with 4 rows of 5 dots. He writes $5+5+5=15$. What mistake did Diego make? Write the correct equation.

Problem 23: Rows and columns both

Ethan's photo wall has 4 rows with 5 photos in each row. Write one equation that adds the rows and one equation that adds the columns. Show that the totals match.

Problem 24: Buttons

Aisha has 18 buttons. She wants to make an array with 4 rows of 5 buttons. How many more buttons does she need?