

Grade 2 - Arrays and Equal Groups - Test

Common Core 2.OA.C.4 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

This **arrays test** for 2nd Grade covers arrays and equal groups (Common Core 2.OA.C.4), with a free PDF to print.

This test has 9 questions worth 20 points. Write addition sentences with equal addends and give each total. Count rows and columns carefully. Work should take about 45 minutes.

Time and points

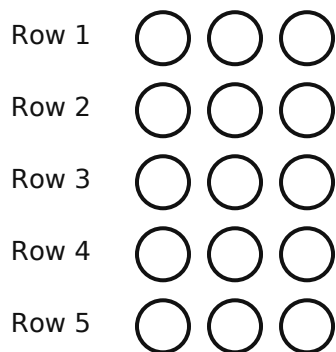
About this test

- Grade: Grade 2
- Chapter: Arrays and Equal Groups
- Standards: 2.OA.C.4
- Time: 45 minutes
- Total: 20 points

Arrays test: questions

Question 1 - Rows and columns [2 pts]

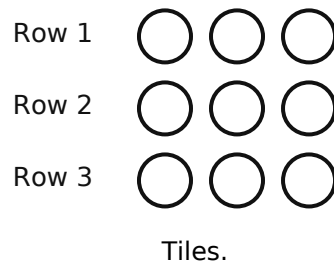
The seats in a van form an array. Count the rows and the columns, and write both numbers.



A seating chart.

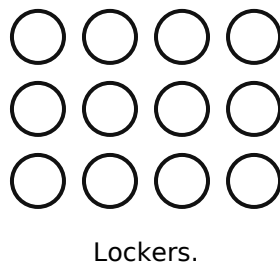
Question 2 - Add the rows [2 pts]

Write an addition sentence that adds the rows of the array.



Question 3 - Add the columns [2 pts]

Write an addition sentence that adds the columns of the array.



Question 4 - Egg cartons [2 pts]

A carton has 2 rows of 4 eggs. Write an addition sentence and find the total number of eggs.

Question 5 - Boxes of pencils [2 pts]

There are 3 boxes. Each box holds 5 pencils. How many pencils are in the boxes? Write an addition sentence.

Question 6 - Rows or columns [2 pts]

An array has 3 rows and 5 columns. Write one addition sentence for the rows and one for the columns.

Question 7 - Missing row size [2 pts]

Sofia puts 25 stickers into 5 equal rows. How many stickers are in each row?

Question 8 - Chairs at a concert [3 pts]

A hall has 3 rows of chairs with 5 chairs in each row. Then workers add 2 more rows of 5 chairs.

- How many chairs are in the first 3 rows? (1 point)
- How many chairs are in the hall after the new rows are added? (2 points)

Question 9 - Compare two arrays [3 pts]

Array A has 4 rows of 4. Array B has 5 rows of 3.

- Write an addition sentence for the total of each array. (2 points)
- Which array has more? (1 point)

Key facts behind this arrays test

Key facts

- Rows go across and columns go up and down.
- Repeated addition adds the same number again and again: $4 + 4 + 4 = 12$.
- Grade 2 arrays have up to 5 rows and up to 5 columns.
- Adding the rows or adding the columns gives the same total.
- Equal groups, such as 4 bags of 5, can be added the same way.

How to use this arrays test

Time yourself: the test is designed for an average student in 45 minutes. Answer the questions you are sure of first, then come back to the longer ones and check your units.