

Grade 2 - Arrays and Equal Groups - Worksheet

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

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

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

These 20 problems practice arrays and equal groups. Students count rows and columns, write repeated-addition sentences with equal addends, and find totals for arrays with up to 5 rows and 5 columns.

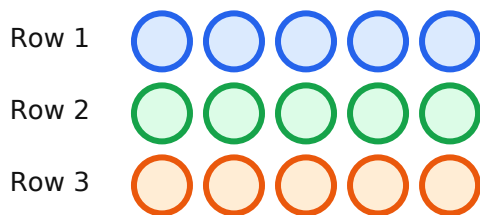
The work follows Common Core standard 2.OA.C.4. The last six problems are word problems that use more than one step.

Grade 2 · Common Core State Standards: **2.OA.C.4**

Arrays practice worksheet: exercises 1 to 10

Exercise 1 - Muffin tin

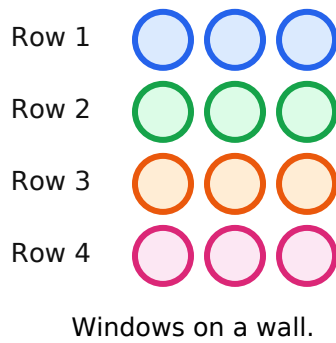
Look at the muffin tin. How many rows are there? How many columns are there?



A muffin tin.

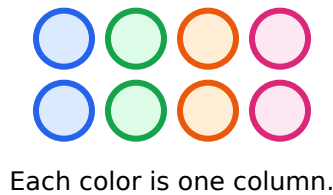
Exercise 2 - Window panes

A wall has windows in an array. Write an addition sentence that adds the rows to find the total number of windows.



Exercise 3 - Chocolate squares

A chocolate bar has squares in an array. Write an addition sentence that adds the columns.



Exercise 4 - Egg carton

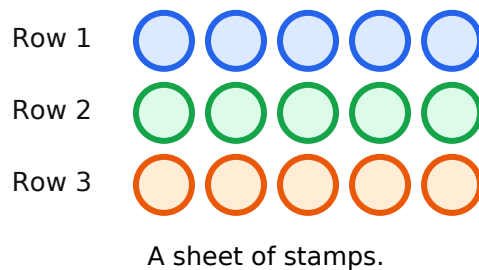
An egg carton has 2 rows of 5 eggs. Write an addition sentence and find how many eggs in all.

Exercise 5 - Seed packets

Maya sorted seed packets into 5 rows with 2 packets in each row. How many packets are there? Write an addition sentence.

Exercise 6 - Two ways to add

Look at the array of stamps. Write one addition sentence for the rows and one for the columns.



Exercise 7 - Floor tiles

A floor has 4 rows of tiles with 4 tiles in each row. How many tiles are on the floor?

Exercise 8 - Draw a star array

Draw an array of stars with 3 rows and 4 stars in each row. Then write an addition sentence for the total.

Exercise 9 - Cupcake tray

A cupcake tray has 3 rows and 4 columns. How many cupcakes fit on the tray?

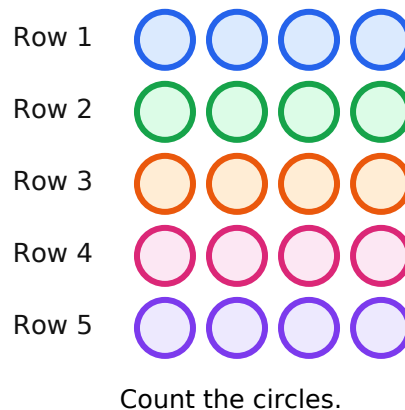
Exercise 10 - Desks in a classroom

Mr. Lopez put desks in 5 rows. Each row has 3 desks. How many desks are in the room?

Exercises 11 and up

Exercise 11 - Missing total

Find the missing total: $4+4+4+4+4=?$ Then say how many rows and how many columns the array has.



Exercise 12 - Missing row size

An array has 4 equal rows and 12 objects in all. How many objects are in each row? Write the addition sentence.

Exercise 13 - Same total?

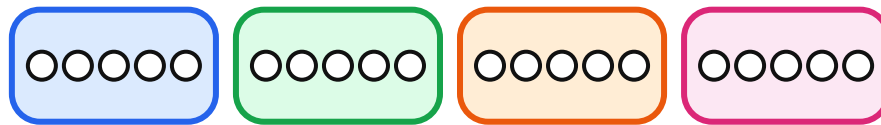
True or false: an array with 3 rows of 5 has the same total as an array with 5 rows of 3. Show addition sentences.

Exercise 14 - Find the mistake

Jamal looked at an array with 2 rows of 4 and wrote $4+4+4=12$. Explain his mistake and write the correct sentence.

Exercise 15 - Bags of apples

Each bag holds 5 apples. How many apples are in 4 bags? Write an addition sentence.



Equal groups.

Exercise 16 - Sticker sheet

A sticker sheet has 5 rows with 5 stickers in each row. Liam peels off the top 2 rows. How many stickers are left on the sheet?

Exercise 17 - Garden rows

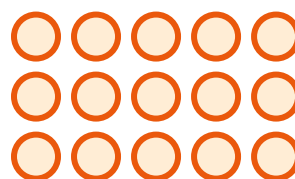
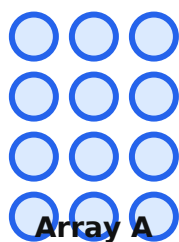
A garden has 4 rows with 4 plants in each row. Priya plants one more row of 4. How many plants are in the garden now? Write one addition sentence.

Exercise 18 - Two trays

Ethan has a tray with 3 rows of 5 cookies. Aisha has a tray with 2 rows of 5 cookies. How many cookies do they have together?

Exercise 19 - Which array is bigger?

Array A has 4 rows of 3 dots. Array B has 3 rows of 5 dots. Which array has more dots, and how many more?



Array B

Compare the arrays.

Exercise 20 - Equal rows of stickers

Noah has 20 stickers. He wants to put them in an array with 4 equal rows. How many stickers go in each row? Then he decides to use 5 equal rows instead. How many stickers go in each row now?

Key facts behind this arrays practice worksheet

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 practice worksheet

Work through the exercises in order: they go from simple to challenging. Write every step on paper, then compare with the solutions page and redo any exercise you missed the next day.

Download the arrays practice worksheet as a PDF with the button below and keep it with your notes.