

Grade 2 · Arrays and Equal Groups · Test

Common Core 2.OA.C.4 · mathovore.fr

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

This test has 9 questions worth 20 points. It covers arrays with up to 5 rows and 5 columns and repeated addition. Students write equations and find totals. The test takes about 30 minutes. Calculators are not allowed.

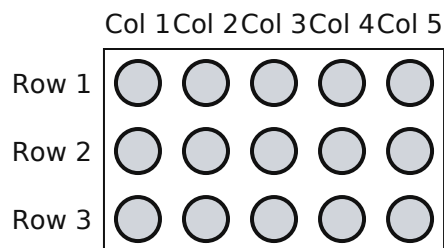
Test information

- **Grade:** Grade 2
- **Chapter:** Arrays and Equal Groups
- **Common Core:** 2.OA.C.4
- **Time:** 30 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 2 pts; Question 4: 2 pts; Question 5: 2 pts; Question 6: 2 pts; Question 7: 2 pts; Question 8: 3 pts; Question 9: 3 pts)

Question 1: Rows and columns (2 points)

Look at the array.

- How many rows and how many columns does the array have? (1 point)
- How many dots are in the array? (1 point)



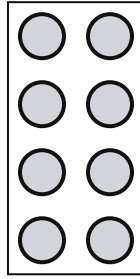
An array of dots.

Question 2: Repeated addition (2 points)

Look at the array.

- Write an equation that adds the rows. (1 point)

b. How many dots are in the array? (1 point)

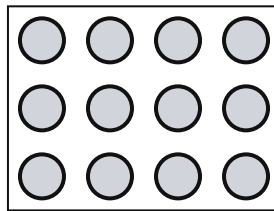


An array of dots.

Question 3: Column equation (2 points)

Look at the array.

- a. Write an equation that adds the columns. (1 point)
- b. How many dots are in the array? (1 point)



An array of dots.

Question 4: Ticket booth seats (2 points)

A section of seats has 5 rows. Each row has 4 seats.

- a. Write an equation to show the total number of seats. (1 point)
- b. How many seats are in the section? (1 point)

Question 5: Draw an array (2 points)

Draw an array with 4 rows and 3 columns.

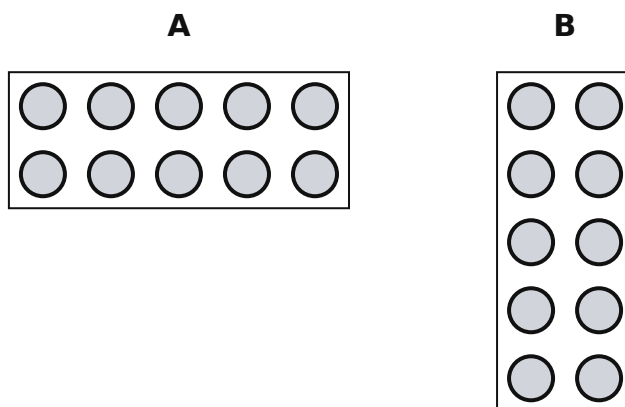
- a. Draw the array. (1 point)
- b. Write an equation that adds the rows and give the total. (1 point)

Question 6: Same total (2 points)

Look at the two arrays.

- a. Write an equation for each array. (1 point)

b. Do the arrays have the same total? Explain. (1 point)



Two arrays of dots.

Question 7: Missing rows (2 points)

An array has 3 dots in each row and 15 dots in all. How many rows does the array have? Show your work.

Question 8: Window wall (3 points)

A building wall has 4 rows of windows. Each row has 5 windows.

- How many windows are on the wall? (1 point)
- Six windows have their lights on. How many windows have their lights off? (1 point)
- A second wall has 3 rows of 5 windows. How many more windows does the first wall have? (1 point)

Question 9: Muffin pans (3 points)

Pan A has 3 rows with 4 muffins in each row. Pan B has 2 rows with 5 muffins in each row.

- Write an equation for each pan. (1 point)
- How many muffins are in each pan? (1 point)
- Which pan has more muffins? How many more? (1 point)