

Array Addition Fun

Use rows and columns to add equal groups.

GRADE 2 • NY-2.OA.4

NY-2.OA.4 "Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns. Write an equation to express the total as a sum of equal addends."

NAME _____

DATE _____

ADD THE ROWS

An array has rows with the same number in each row. Count the objects in one row, then add that number for every row.

WORKED EXAMPLE

Look at the bead array. Write an addition equation and find the total number of beads.



1. There are 2 rows.
2. There are 5 beads in each row.
3. Add $5 + 5 = 10$.

Answer: $5 + 5 = 10$

PRACTICE 5 problems

- 1** Look at the toy car array.
Write an addition equation
and the total.



ANSWER _____

- 2** Look at the sticker array.
Write an addition equation
and the total.



ANSWER _____

- 3** A game has 3 rows of 4 stars. Write
an addition equation and the total
number of stars.

ANSWER _____

- 4** A snack tray has 4 rows of 4 crackers.
Write an addition equation and the
total number of crackers.

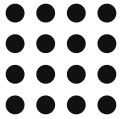
ANSWER _____

- 5** A pet shop has 3 rows of 3 fish
bowls. Write an addition equation
and the total number of fish bowls.

ANSWER _____

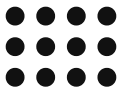
APPLY IT Show your work

- 1** Noah puts shells into the display shown. How many shells are in the display? Write an addition equation.



ANSWER _____

- 2** Ava makes the button display shown for her art project. How many buttons does she use? Write an addition equation.



ANSWER _____

CHALLENGE One step up

A card display has 3 rows of 4 buttons. Sam writes $4 + 4 + 4$. Lee writes $3 + 3 + 3 + 3$. Are both equations correct? Explain.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Look at the toy car array. Write an addition equation and the total.	$4 + 4 + 4 = 12$
2	Look at the sticker array. Write an addition equation and the total.	$3 + 3 + 3 + 3 = 12$
3	A game has 3 rows of 4 stars. Write an addition equation and the total number of stars.	$4 + 4 + 4 = 12$
4	A snack tray has 4 rows of 4 crackers. Write an addition equation and the total number of crackers.	$4 + 4 + 4 + 4 = 16$
5	A pet shop has 3 rows of 3 fish bowls. Write an addition equation and the total number of fish bowls.	$3 + 3 + 3 = 9$

PART 2 • APPLY IT

1. $4 + 4 + 4 + 4 = 16$ There are 4 shells in each of 4 rows. Add 4 four times.
2. $4 + 4 + 4 = 12$ There are 4 buttons in each of 3 rows. Add 4 three times.

CHALLENGE

Yes. Both equal 12. Sam adds the rows, and Lee adds the columns.

Accept equivalent equal-addend equations that match the array by rows or by columns. Students should include both an addition equation and the correct total when asked.