

Arrays and Repeated Addition

2nd Grade

Rows and columns — the picture that turns adding into multiplying.

An array is equal rows. Count the rows, count how many in each row, and you have a multiplication.

$$3 \text{ rows of } 4 = 4 + 4 + 4 = 12$$

2 rows of 5

$$5 + 5 = 10$$

Also written 2×5 .

3 rows of 4

$$4 + 4 + 4 = 12$$

Also written 3×4 .

4 rows of 4

$$4 + 4 + 4 + 4 = 16$$

A square array — the rows and columns match.

5 rows of 2

$$2 + 2 + 2 + 2 + 2 = 10$$

Same total as 2 rows of 5. Turn the array sideways.

Egg boxes, window panes, chocolate bars, seating plans — arrays are everywhere.