

# Teacher notes

Laminate the array sheet for repeated use alongside a dry-erase pen.

Children will use manipulatives to create arrays from given multiplications. They will use this to help them solve the calculations.

DEVELOPING



Children will complete both multiplications from a given multiplication, numbering how many rows and columns.

SECURE



Children will complete both multiplications from a given multiplication, numbering how many rows and columns. They will complete the stem sentences to describe the arrays.

MASTERY



Children will complete both multiplications from a given multiplication, numbering how many rows and columns. They will complete the stem sentences to describe the arrays. Children will provide a story for the multiplication.

Example:

The image shows a laminated worksheet titled "Arrays" with a star rating of two stars and one empty star. At the top, a small box contains the multiplication  $4 \times 5$ . Below this, a 4x5 array of yellow beads is arranged. The number "5" is written above the array, and the number "4" is written to the left of it. Below the array, the following equations are written in blue ink:

$$\underline{4 \times 5 = 20} \text{ and } \underline{5 \times 4 = 20}$$
$$\underline{4 \text{ lots of } 5} = \underline{5 \text{ lots of } 4}$$

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\_\_\_\_\_ x \_\_\_\_\_ and \_\_\_\_\_ x \_\_\_\_\_

\_\_\_\_\_ lots of \_\_\_\_\_ = \_\_\_\_\_ lots of \_\_\_\_\_

\_\_\_\_\_ and \_\_\_\_\_

\_\_\_\_\_ = \_\_\_\_\_

Calculate:

Describe:

$3 \times 2$

$6 \times 5$

$10 \times 3$

$7 \times 2$

$8 \times 2$

$2 \times 2$

$3 \times 5$

$10 \times 1$

$7 \times 5$

$4 \times 2$

$9 \times 2$

$12 \times 2$

$10 \times 4$

$5 \times 5$

$1 \times 2$

$5 \times 2$

$4 \times 5$

$6 \times 2$

$11 \times 2$

$10 \times 2$