

Name _____

Hurray Array!

You can demonstrate multiplication by showing objects in an array. There are two ways to set up an array with two factors.

For each array given, create a different array that shows the same factors. Then write the multiplication sentence for each picture.

1. $\begin{array}{cccccc} \circ & \circ & \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ & \circ & \circ \\ \circ & \circ & \circ & \circ & \circ & \circ \end{array}$

2. $\begin{array}{cccccc} \square & \square & \square & \square & \square & \square \\ \square & \square & \square & \square & \square & \square \\ \square & \square & \square & \square & \square & \square \end{array}$

There are at least two arrays for any product: the product $\times 1$ and $1 \times$ the product. Sometimes there are other possible arrays for a product.

3. Draw the other array for the product 25.
Write the multiplication sentence.

4. Draw the other array for the product 9.
Write the multiplication sentence.

Sometimes there are several different arrays that can be drawn for a product.

5. Draw an array for the product 28 that is not 28×1 , 1×28 , 7×4 , or 4×7 . Write the multiplication sentence for your array.
