

Arrays 1

Use the array to help finish the fact.

10
9
8
7
6
5
4
3
2
1

$10 \times \square =$

There are 10 rows.

How many rows?

Description

In this activity, students use arrays to help identify a missing factor in a multiplication fact and to then calculate the product. The range is $2x$, $5x$, $10x$ to 10^{th} multiple and $3x$, $4x$ to 5^{th} multiple. At Easy level students may click the rows to reveal the entire array; at Hard level students are only given 1 row and they must use mental strategies to solve the problem.

Teaching Hints

This activity encourages students to link repeated addition with multiplication: $3 + 3 + 3 + 3$ is the same as 4 rows of 3 ($4 \times 3 = 12$). Use the support centre to make this link explicit. Encourage a discussion of part-part whole relationships; e.g. $3 + 3 = 6$, $6 + 6 = 12$.

Activities

Use the array to help finish the fact.

Hint: Click the rows to reveal the array.

rows of $\times 7 =$

Example 1

Use the array to help finish the fact.

Hint: Click the rows to reveal the array.

$2 \times$ rows of $4 = 8$ ✓

Correct Example

Use the array to help finish the fact.

Hint: Click the rows to reveal the array.

$2 \times 7 = 14$ ✗
rows of $2 \times 4 = 8$ ✓

Incorrect Example