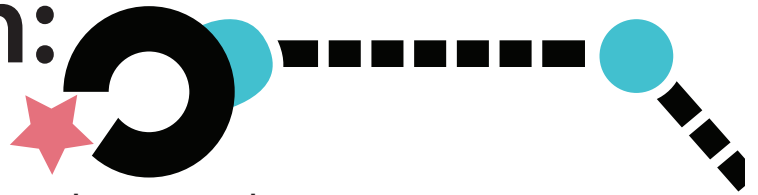


Multiplication:

Finding the Total with Arrays



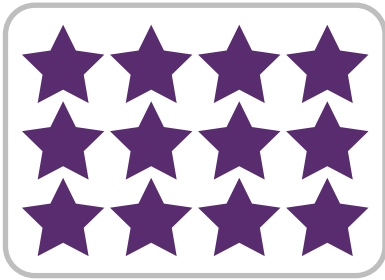
An array is an arrangement of objects in columns and rows. Drawing an array can help you solve multiplication problems.

In this array, there are 4 rows with 3 stars in each row.

There are 12 stars in total.

The multiplication sentence for this array is:

$$\begin{array}{c} \text{rows} \leftarrow 4 \times 3 = 12 \rightarrow \text{total \# of stars} \\ \downarrow \\ \text{stars in each row} \end{array}$$



1. Number of rows: 3
Number of stars in each row: 4
Multiplication sentence: $3 \times 4 = 12$ stars



2. Number of rows: 2
Number of stars in each row: 6
Multiplication sentence: $2 \times 6 = 12$ stars



3. Number of rows: 1
Number of stars in each row: 12
Multiplication sentence: $1 \times 12 = 12$ stars



4. Number of rows: 6
Number of stars in each row: 2
Multiplication sentence: $6 \times 2 = 12$ stars