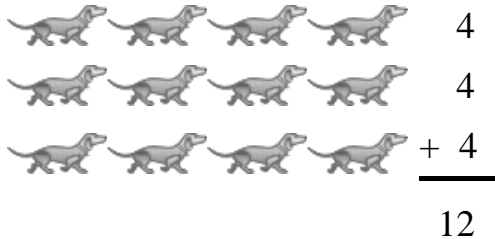


Multiplication as an Array

The dogs are neatly arranged in rows and columns.

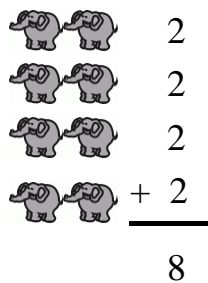


There are **three** rows,
and each row has **four** dogs.

The rows are like groups.
We have three groups of 4 dogs,
or 3 times 4 dogs.

$$3 \times 4 = 12$$

The elephants are neatly arranged in rows and columns.



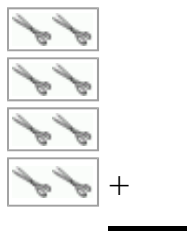
There are **four** rows, and
each row has **two** elephants.

The rows are like groups.
We have four groups of 2 elephants,
or 4 times 2 elephants.

$$4 \times 2 = 8$$

When objects are in an array, the rows are like groups.
It pictures multiplication as **MANY GROUPS OF THE SAME SIZE**.

1. Fill in the missing parts.



a. ___ rows, ___ scissors in each row.

$$\underline{\quad} \times \underline{\quad} \text{ scissors} = \underline{\quad} \text{ scissors}$$



b. ___ rows, ___ carrots in each row.

$$\underline{\quad} \times \underline{\quad} \text{ carrots} = \underline{\quad} \text{ carrots}$$