Multiplication as an Array

An **array** is an orderly arrangement of things in rows and columns.
When things are neatly aligned in an array, we can think of the _rows as groups_,
so an array still pictures multiplication as repeated addition.
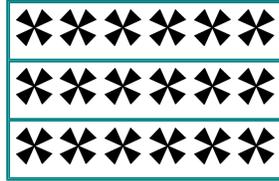
3 rows, 6 crosses in each row.

$$6 + 6 + 6$$

$$3 \times 6 = 18$$
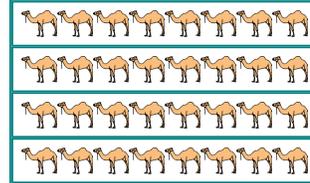
4 rows, 8 camels in each row.

$$8 + 8 + 8 + 8$$

$$4 \times 8 = 32$$

1. Fill in the missing numbers.
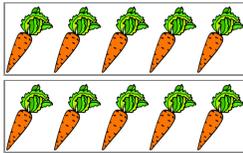
a. _____ rows, _____ carrots in each row.

_____ + _____

_____ × _____ = _____ carrots
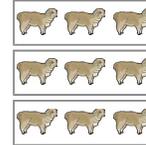
b. _____ rows, _____ rams in each row.

_____ + _____ + _____

_____ × _____ = _____ rams

c. _____ rows, _____ bear in each row.

_____ + _____

_____ × _____ = _____ bears
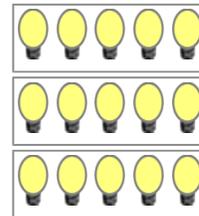
d. _____ rows, _____ bulbs in each row.

_____ + _____ + _____

_____ × _____ = _____ bulbs

Math Mammoth Multiplication 1 (Blue Series)