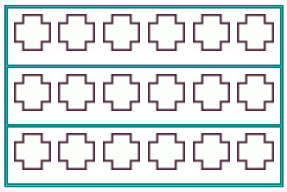
Multiplication as an Array

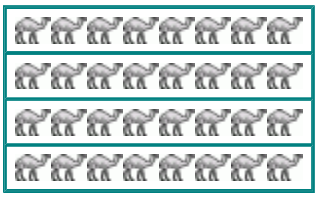
An **array** is an orderly arrangement of things in rows and columns. When things are aligned in an array, we can treat the *rows like groups*, so an array still pictures multiplication as repeated addition.



3 rows, 6 crosses in each row.

6 + 6 + 6 =

3 × 6 = 18

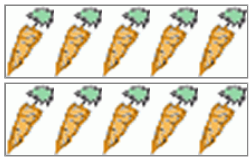


4 rows, 8 camels in each row.

8 + 8 + 8 + 8 =

4 × 8 = 32

1. Fill in the missing numbers.



5

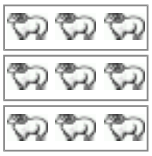
\+ 5

10

a. ____ rows, ____ carrots in each row.

____ + ____ carrots

____ × ____ carrots = _____



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b. ____ rows, ____ rams in each row.

____ + ____ + ____ rams

____ × ____ rams = _____

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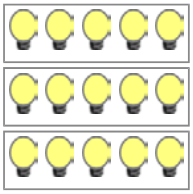
c. ____ rows, ____ bear in each row.

____ + ____ bears

____ × ____ bears = _____



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d. ____ rows, ____ lightbulbs in each row.

____ + ____ + ____ bulbs

____ × ____ lightbulbs = _____