

Name: _____

Multiplication with Arrays

When you multiply, think of the multiplication symbol as having the meaning "rows of."

The fact 3×6 would actually mean "3 rows of 6"

To solve this fact, draw 3 rows of 6 symbols.

x x x x x x	
x x x x x x	3 rows of 6 symbols equals 18 symbols.
x x x x x x	$3 \times 6 = 18$

Symbols arranged in neat rows and columns are called arrays.

Look at each array. Count the symbols in each row and column carefully. Write the multiplication fact for each.

1.

○ ○ ○ ○ ○ ○ ○ ○	
○ ○ ○ ○ ○ ○ ○ ○	_____ rows of _____ equals _____
○ ○ ○ ○ ○ ○ ○ ○	_____ x _____ = _____
○ ○ ○ ○ ○ ○ ○ ○	

2.

	_____ rows of _____ equals _____
	_____ x _____ = _____

3.

◆ ◆ ◆ ◆	
◆ ◆ ◆ ◆	_____ rows of _____ equals _____
◆ ◆ ◆ ◆	_____ x _____ = _____
◆ ◆ ◆ ◆	

Now try this: On the back of this paper, draw an array for each of these facts:
 7×4 8×3 9×6 3×7 8×5