

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
x x x x x x

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

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.

1.



PREVIEW

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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

Name: _____

ANSWER KEY

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PREVIEW

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2.

5 rows of 9 equals 45

$$\underline{5} \times \underline{9} = \underline{45}$$

3.

◆	◆	◆	◆
◆	◆	◆	◆
◆	◆	◆	◆
◆	◆	◆	◆

4 rows of 4 equals 16

$$\underline{4} \times \underline{4} = \underline{16}$$

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8×3

9×6

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